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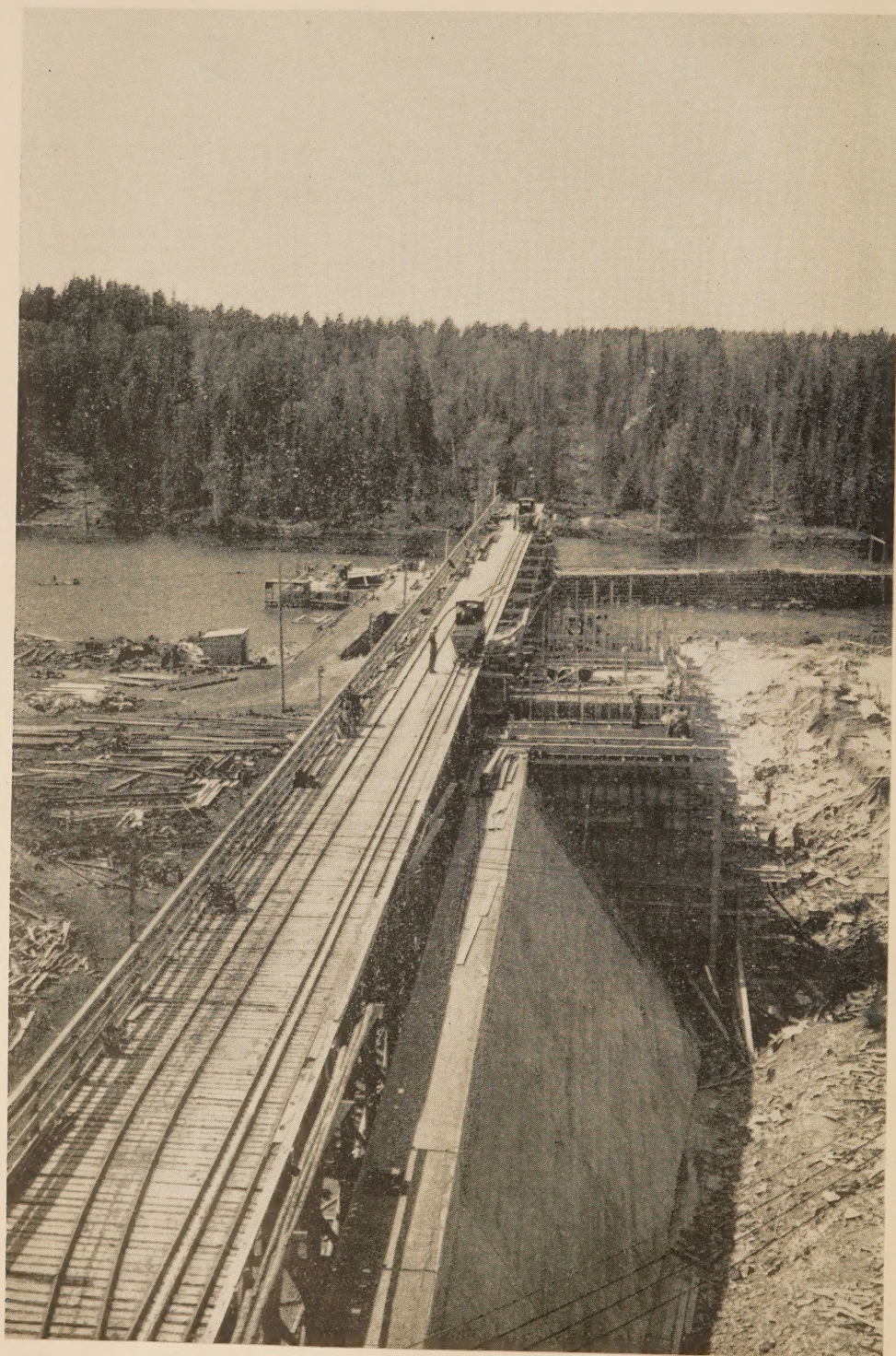
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**OGOKI RIVER DIVERSION PROJECT—NORTHERN ONTARIO**

A beneficial diversion of water which will increase the power resources of Southern Ontario and Quebec and improve levels of the Great Lakes for the benefit of Canadian and United States navigation interests



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Ontario. Hydro-Electric Power  
Commission

(THIRTY-FOURTH) ANNUAL <sup>III</sup>REPORT

OF

# THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

34th — 35th

1941-1942

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THE HYDRO-ELECTRIC POWER COMMISSION  
OF ONTARIO

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T. H. HOGG, B.A.Sc., C.E., D.ENG . . . . . *Chairman and Chief Engineer*  
HON. WM. L. HOUCK. B.Sc., M.L.A. . . . . *Vice-Chairman*  
J. ALBERT SMITH, M.L.A. . . . . *Commissioner*  
OSBORNE MITCHELL . . . . . *Secretary*



V

CHAIRMAN'S LETTER OF TRANSMITTAL

*To His Honour*

THE HONOURABLE ALBERT MATTHEWS, L.L.D.,

*Lieutenant-Governor of Ontario*

MAY IT PLEASE YOUR HONOUR:

The undersigned respectfully presents the Thirty-Fourth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1941.

The record of the Commission's work presented in this Annual Report relates to three principal fields—the co-operative municipal field, the field of rural supply, and the northern Ontario field. The first two cover the Commission's activities on behalf of the co-operative systems, and the last relates to its trusteeship of the Northern Ontario Properties on behalf of the Province. Throughout the various sections of the Report dealing broadly with physical operation of the plants, constructional activities and financial statements, these fields of activity are clearly differentiated.

The Report also presents for the calendar year 1941 financial statements and statistical data relating to the municipal electric utilities operating in conjunction with the several co-operative systems for the supply of electrical service throughout the Province.

**War Activities**

To serve ever-growing war loads the Commission has had to plan continuously to secure additional power supplies from many sources. Not only has it constructed new power developments, but it has advanced deliveries of power already contracted for, and entered into contracts for further supplies.

These new power supplies have necessitated the provision of additional transmission and distribution facilities, including many new large transformer stations. During the first year of the war the Commission spent more than \$11,000,000 in new capital construction, and in the second year it spent about \$17,000,000.

The Commission realizes that Hydro service in connection with the war must extend beyond the supply of power to war industries. It must ensure that Ontario's valuable electric power is not wasted, but utilized to the best

advantage. It must therefore encourage munitions plants to use electric power freely and efficiently and in many new ways in order to speed the manufacture of war supplies.

After two years of war Hydro is supplying about one-half million horsepower, or approximately 25 per cent of its total output for direct war production. This war production load includes the loads of many industrial plants served by municipalities. There have been increases also in these smaller industrial loads, although many manufacturing plants that have changed to war work utilize to a large extent the same mechanical and electrical equipment. If they were working steadily before the change-over their power demand was not greatly increased, but due to longer working hours their energy consumption has risen sharply.

### Operating Conditions

Operation of the Commission's generating stations, transformer stations and transmission lines was, in general, satisfactory throughout the year. On one occasion only was there serious interference to customers' service. This occurred on October 7, 1941, when a cyclone demolished four towers on the three, 220,000-volt lines carried over a single right-of-way from the Quebec boundary to Leaside transformer station. All three lines were taken out of service for a large portion of two days, limiting the supply of power from eastern sources to the capacity of a newly constructed line which escaped damage because it was situated on a separate right-of-way outside of the storm area. The new line, which had only recently been placed in service, fully demonstrated its value at this time; being able to carry very heavy overload to relieve shortages in power supply to the Niagara system caused by the loss of other eastern line capacity.

At the commencement of the year, water conditions were above normal and continued so through the winter to the spring run-off when all reservoirs were filled to near storage limits. Low precipitation during the run-off period followed by subnormal precipitation into the late summer was a matter of grave concern to the Commission in meeting the power demand in some districts. Heavy rains restored stream flows in September and at the close of the year water conditions in practically all storage basins were above average. No special ice difficulties were encountered at any generating station during the winter of 1940-41.

### Load Conditions

The year was marked by further large increases in load for war industries and by increased demands for commercial, domestic and rural service which greater war activities have stimulated. Due to changing conditions respecting daylight-saving time, the utilization of the maximum amount of power for primary purposes and other factors, comparisons between the past and previous years are somewhat affected. As an indication of load growth trend, comparisons of primary load are more satisfactory.

During the first seven months of the fiscal year—November 1940 to May 1941—when the comparison was affected by the continuation of daylight-saving time in many municipalities, the average increase in monthly



peak load was 6.5 per cent, but during the five months from June to October 1941 when conditions respecting daylight-saving were similar, the average increase over the previous year was 15 per cent, or approximately 250,000 horsepower.

In October 1941 the primary load of all systems combined was 2,096,717 horsepower, and for the first time exceeded two million horsepower.

The 250,000 horsepower average increase in load represents substantial growth in load in all areas served. A large portion of this increase was due to wartime production in the electro-metallurgical and electro-chemical industries of the Niagara district. The total consumption of energy in all systems for primary purposes was 8,905,000,000 kilowatt-hours, nearly 14 per cent in excess of the corresponding consumption of energy in the previous year. The previous year the increase in energy consumption was 19 per cent.

In addition to meeting all primary demands, the Commission utilized its reserve capacity to the greatest possible extent, producing 1,561,000,000 kilowatt-hours for secondary power purposes during the year. The greater portion of this was employed in war materials production. The total output during the year ending October 31, 1941, from all sources amounted to 10,466,241,618 kilowatt-hours. This was the largest output on record and exceeded that of the previous year by 8.1 per cent. The peak load, including primary and secondary power, occurred in October 1941 and was 2,312,219 horsepower, or 18.3 per cent greater than the October 1940 peak.

The accompanying tabulations show for the months of October and December 1940 and 1941 the primary peak loads of the co-operative systems and of the several districts of the Northern Ontario Properties. They also give similar data for the total primary and secondary loads.

### New Power Supplies

To meet the rapidly growing power demands for expanding war production, additional supplies of power have been secured by purchase under the Quebec contracts and by the construction of new developments. When the war commenced in 1939 the excess capacity of the three southern systems—Niagara, Georgian Bay and Eastern Ontario—amounted to about 170,000 horsepower, and there was scheduled for future delivery under the Quebec contracts an additional 140,000 horsepower, or a total of 310,000 horsepower available for future growth. All but 50,000 horsepower of this power was taken before October 31, 1941, much of it in advance of schedule. The remaining 50,000 horsepower will be taken as soon as it becomes available. Arrangements were also made in 1941 to purchase an additional 82,500 horsepower from Maclaren-Quebec Power Company; 57,500 horsepower of which is for the duration of the war.

On the Niagara river additional water diversion of 14,000 cubic feet per second on the Canadian side was obtained by negotiations with the United States Government; 5,000 cubic feet per second of this additional waterflow is in consideration of the additional water to be added to the Great Lakes by the Ogoki and Long Lake diversions. This additional diversion has made available for munitions production in the Niagara system about 2,400,000 kilowatt-hours per day.



DISTRIBUTION OF PRIMARY POWER TO SYSTEMS  
20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1940	1941
	October	
Niagara system (including Dominion Power and Transmission division—66 2/3 cycle).....	1,287,936	1,536,997
Georgian Bay system.....	42,217	47,273
Eastern Ontario system.....	154,207	180,650
Thunder Bay system.....	97,855	104,859
Manitoulin rural power district.....	330	504
Northern Ontario Properties:		
Nipissing district.....	5,121	5,791
Sudbury district.....	17,208	19,597
Abitibi district.....	164,879	185,255
Patricia district.....	14,209	15,791
Total.....	1,783,962	2,096,717
	December	
Niagara system (including Dominion Power and Transmission division—66 2/3 cycle).....	1,367,828	1,660,991
Georgian Bay system.....	47,118	50,582
Eastern Ontario system.....	153,164	181,961
Thunder Bay system.....	91,488	108,633
Manitoulin rural power district.....	386	550
Northern Ontario Properties:		
Nipissing district.....	5,147	5,817
Sudbury district.....	19,249	21,692
Abitibi district.....	165,281	158,445
Patricia district.....	14,826	13,941
Total.....	1,864,487	2,202,612

### St. Lawrence River Project

Since last year's Report was tabled, there have been important developments relative to the St. Lawrence project. On March 19, 1941, agreements between Canada and the United States and between Canada and Ontario providing for the development of navigation and power in the Great Lakes-St. Lawrence basin were signed.

Before becoming effective, these agreements require legislative approval and their submission for approval by the Dominion parliament and Ontario legislature has been waiting upon action by the United States Congress. This has been expected from month to month, but as yet has not been forthcoming.

Delay in reaching a decision upon this important project has had unfortunate consequences entirely aside from its effect upon the earliest

DISTRIBUTION OF POWER TO SYSTEMS—PRIMARY AND SECONDARY  
20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1940	1941
	October	
Niagara system (including Dominion Power and Transmission division—66 2/3 cycle) . . . . .	1,425,469	1,682,975
Georgian Bay system . . . . .	42,217	47,407
Eastern Ontario system . . . . .	154,207	180,650
Thunder Bay system . . . . .	97,855	128,539
Manitoulin rural power district . . . . .	330	504
Northern Ontario Properties:		
Nipissing district . . . . .	5,121	5,791
Sudbury district . . . . .	17,208	19,597
Abitibi district . . . . .	197,453	230,965
Patricia district . . . . .	14,209	15,791
Total . . . . .	1,954,069	2,312,219
	December	
Niagara system including Dominion Power and Transmission division—66 2/3 cycle) . . . . .	1,579,088	1,665,282
Georgian Bay system . . . . .	47,118	50,582
Eastern Ontario system . . . . .	153,164	181,961
Thunder Bay system . . . . .	92,641	134,531
Manitoulin rural power district . . . . .	386	550
Northern Ontario Properties:		
Nipissing district . . . . .	5,147	5,817
Sudbury district . . . . .	19,249	21,692
Abititi district . . . . .	208,981	224,129
Patricia district . . . . .	14,826	13,941
Total . . . . .	2,120,600	2,298,485

possible completion date. The uncertainty, attendant upon these delays, as to whether or not the St. Lawrence project would soon be launched has heretofore had a restraining influence upon major power development elsewhere in Ontario by the Commission. Having in mind the Commission's commitment of nearly ninety million dollars under the St. Lawrence agreement and the three-year rush construction schedule for the St. Lawrence, the undertaking of a major development on the Ottawa in addition to the St. Lawrence presented rather grave problems. These problems have received the Commission's constant attention and are now pressing for a decision.

#### Additions to Generating, Transmission and Distribution Equipment

The year 1941 was one of great activity in connection with the construction of new power and storage developments and other works for the

augmentation of the Commission's power supplies and for their transformation, transmission and distribution. These increased facilities were required almost entirely in connection with the war effort of Ontario.

It will be recalled that in 1940, unit number 3 was added to the Ear Falls development in the Patricia district, and work was commenced on the Big Eddy development to serve the Georgian Bay system. The Big Eddy development now completed is situated on the Muskoka river. The plant contains two hydro-electric units of 4,950 horsepower each, under a head of 36 feet. The first unit was placed on commercial load on October 11, and the second on November 1, 1941. It is now generating its full rated output at high load factor.

Shortly after the commencement of the Big Eddy development, work was begun on the construction of the Barrett Chute development on the Madawaska river to augment the power supply for the Eastern Ontario system. This development will have a rated capacity of 54,000 electrical horsepower. At the end of 1941 the main dam was almost completed, excavation for the power canal was well advanced and work was proceeding on the headworks, penstocks and power houses. It is anticipated that the plant will be in service in July of 1942.

Closely related to the Barrett Chute development is a storage reservoir being built at Bark lake, some 65 miles upstream on the Madawaska river. The Bark Lake dam will create a reservoir impounding 300,000 acre-feet of water.

In the northwest of the Province, north of lake Nipigon, good progress has been made on the construction of the Ogoki river diversion. Waters diverted southerly from the Kenogami river, another tributary of the Albany, by means of the Long Lake diversion project, have been flowing into lake Superior throughout the year.

Another important power project commenced during the year is that at DeCew Falls, where a new 25-cycle generating plant is being built. The initial capacity of this plant will be 65,000 horsepower.

Projects of lesser magnitude undertaken during the year include storage dams on the Sturgeon river, and the maintenance and improvement of existing equipment in many places.

The most important construction work completed during the past year was the new transmission line extending from Beaudet on the Quebec-Ontario boundary, via Toronto, to Burlington. The line from Beaudet to Toronto, 275 miles, is a single-circuit transmission line on steel towers; the conductor being aluminum cable, steel-reinforced. The other portion of the line extending from Leaside Junction to Burlington transformer station is a double-circuit line on steel towers. Due to the demand for aluminum for aeroplane construction, the Commission adopted for this portion of the line, hollow copper conductors of special design.

At Burlington a transformer station was constructed and two 75,000-kv-a, 220,000/110,000-volt transformer banks were installed, together with regulating transformers and the necessary switching equipment. The third 75,000-kv-a bank of transformers has been purchased for installation in 1942.



In the areas north and east of Toronto, where great increases in population have taken place during recent years, several new 26,400-volt distributing stations were built, and on others the voltage was raised from 13,200 to 26,400 volts.

In the southeast district of downtown Toronto a new transformer station, known as the Toronto-Esplanade, is being built with two 25,000-kv-a transformers.

In the Niagara, Eastern Ontario and Georgian Bay systems, and in the districts of Northern Ontario, much additional equipment and many extensions to distribution lines were required to serve additional loads, mostly for war work, including increased mining activities, air training schools and ammunition factories.

The total mileage of transmission circuits constructed in the year comprises 365 miles of 220,000-volt lines; 30 miles of 110,000-volt lines, 120 miles of 13,000- to 44,000-volt lines and 850 miles of rural primary circuits, including certain rural extensions approved but not completed in the previous year.

#### **Rural Electrical Service**

The mileage of rural line extensions approved for construction in rural power districts in the fiscal year was 631. In all, 8,502 consumers were added. The average monthly load supplied to all rural Hydro consumers, including war industries in rural areas amounted to 81,317 horsepower, an increase of 16.2 per cent over 1940.

Before the war, and for nearly two years after the war started, the Commission provided rural electrical service to farmers on the basis of a minimum of two farm contracts per mile of line. Hydro, in fact, continued its peacetime programme of extending rural electrical service to Ontario farmers. But towards the end of the second year of the war, equipment needing aluminum, copper and steel were becoming difficult to obtain and the priority regulations of the Dominion Government were put into effect to control extensions to rural lines which involved a disproportionate amount of materials for any service given.

It is a matter for congratulation that the Commission's programme of extension in rural power districts had made such splendid progress prior to the war. Since 1936 extensions to rural electrical service have been phenomenal, and the aggregate peak load in rural power districts has more than doubled. So successful indeed has this programme of extension been that the Commission estimates that more than 80 per cent of rural citizens living within economic transmission distance of Hydro sources of supply are now being served with electricity, or have Hydro lines adjacent to their property. At the end of 1941 more than 20,000 miles of rural primary lines had been constructed to serve no less than 131,000 rural consumers. The actual expenditure on these lines and equipment is \$39,000,000, towards which the Province by grant-in-aid has contributed \$19,500,000.

#### **Research**

The Research staff of the Commission was actively engaged in solving important problems having a direct bearing upon the war effort, but its

chief work has of course been concerned with the efficient production, distribution and utilization of power so that all equipment of the Commission will render the maximum possible service.

Several members of the Laboratory staff have been released to the Government for special war research work. Their training in the Commission's Laboratories has well fitted them for this service.

#### Efficient Utilization of Hydro Service

The necessity of conserving raw materials, as well as power for Canada's war activities, has made it undesirable to promote the sale and manufacture of electrical equipment for ordinary peacetime uses. The staff of the Commission formerly engaged on this work has, however, been giving valuable aid to industry in the Province. During the year it rendered service to more than one hundred industrial plants by making plant surveys and recommendations designed to obtain maximum industrial output with the most efficient use of electrical energy. The production of essential war materials was speeded up by promoting the use of new tools, particularly in the electric heating category.

Recognizing that good lighting was essential to maximum production, the lighting requirements in industrial plants were given special study, and lighting reports were made respecting about 70 plants.

During the latter part of the year on the request of the Dominion Government, associations of allied industries not engaged on direct war work, were formed to produce war materials under the "Bits and Pieces Programme". As a member of the Public Utilities Wartime Workshop Board formed to carry out this work, the Commission is now producing under sub-contract from munition industries various pieces and parts for war equipment.

#### CAPITAL INVESTMENT

The total capital investment of The Hydro-Electric Power Commission of Ontario in power undertakings is \$342,929,888.84 exclusive of government grants in respect of construction of rural power districts' lines (\$18,849,420.20); and the investment of the municipalities in distributing systems and other assets is \$124,304,866.00, making in power undertakings a total investment of \$467,234,754.84.

The following statement shows the capital invested in the respective systems, districts and municipal undertakings, etc.:

Niagara system (including Hamilton street railway) . . . . .	\$233,566,610. 71
Georgian Bay system . . . . .	13,838,543. 06
Eastern Ontario system . . . . .	27,809,082. 30
Thunder Bay system . . . . .	20,060,306. 89
Office and service buildings . . . . .	3,580,051. 96
Construction plant and inventories . . . . .	4,033,426. 46
Total capital investments in co-operative systems . . . . .	\$302,888,021. 38
Northern Ontario Properties—Operated by H-E.P.C. on behalf of the Province of Ontario . . . . .	39,840,658. 59
Northern Ontario Properties—Construction plant and inventories . . . . .	201,208. 87
Total Commission capital investments . . . . .	\$342,929,888. 84
Municipalities' distribution systems . . . . .	101,038,593. 29
Other assets of municipal Hydro utilities . . . . .	23,216,272. 71
Total . . . . .	<u>\$467,234,754. 84</u>



## RESERVES OF COMMISSION AND MUNICIPAL ELECTRICAL UTILITIES

The total reserves of the Commission and the municipal electric utilities for depreciation, contingencies, stabilization of rates, sinking fund and insurance purposes, amount to \$259,038,971.21, made up as follows:

Niagara system (including Hamilton street railway) . . . . .	\$108,861,520.57
Georgian Bay system . . . . .	6,402,992.62
Eastern Ontario system . . . . .	12,782,405.10
Thunder Bay system . . . . .	8,892,460.97
Office and service buildings and equipment . . . . .	1,256,723.86
Total reserves in respect of co-operative systems' properties . . . . .	\$138,196,103.12
Northern Ontario Properties . . . . .	11,893,525.06
Fire insurance reserve . . . . .	98,368.72
Miscellaneous reserves . . . . .	430,720.36
Employers' liability insurance, and staff pension reserves . . . . .	8,298,825.91
Total reserves of the Commission . . . . .	\$158,917,543.17
Total reserves and surplus of municipal electric utilities . . . . .	100,121,428.04
Total Commission and municipal reserves . . . . .	<u>\$259,038,971.21</u>

## Financial Operating Results for 1941

Expansion in use of power by industries producing war material caused accelerated growth of the Commission's revenues in 1941. Power sold direct to large industries aggregated \$12,600,000 on the Niagara and other co-operative systems, as compared with \$8,900,000 in 1940. Revenue from power supplied to municipalities and rural power districts, at interim rates substantially unchanged from those of 1940, increased some \$2,500,000. In the early months of the year, extended daylight-saving time acted to limit increases in maximum demands for power and in the Commission's revenue from municipalities.

For all classes of service combined, the increase in revenue was nearly \$6,200,000 or about 16.5 per cent for the four systems operated on behalf of municipalities. The increase in expense for power purchased, for operation, maintenance and administration and for interest was less than 4 per cent. This made it possible for the Commission to set aside an increased provision for reserves, particularly for the contingencies reserves. This action gives practical expression to the policy announced early in the war, of anticipating and as far as possible eliminating drastic changes in the interim rates for power during any period of post-war readjustment. At the same time it facilitates financing essential wartime construction.

The Northern Ontario Properties yielded an increase in revenue over 1940 figures of more than \$260,000. As the increase in expense for operating items and interest charges was only some \$65,000, there is an increased balance available for reserves.

## REVENUE OF COMMISSION

The revenue of the Commission at interim rates from the municipal utilities operating under cost contracts, from customers in rural power districts and from other customers with whom—on behalf of the municipalities—the Commission has special contracts, all within the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems, aggregated \$43,596,090.39. The revenue of the Commission from customers served by the Northern Ontario Properties, which are held and operated in trust for the Province, was \$5,330,992.42, making a total of \$48,927,082.81.

Summarized operating results of these co-operative systems and rural power districts and of the Northern Ontario Properties, follow:

## SUMMARIZED OPERATING RESULTS

## OF THE

## NIAGARA, GEORGIAN BAY, EASTERN ONTARIO AND THUNDER BAY SYSTEMS

Revenue; amount received from or billed against municipalities and other customers . . . . .	\$38,529,886.13	
Revenue from customers in rural power districts . . . . .	5,066,204.26	
Total revenue, systems and rural . . . . .		\$43,596,090.39
Operation, maintenance, administration, interest and other current expenses . . . . .	\$28,866,651.89	
Provision for reserves—		
Renewals . . . . .	\$2,409,572.33	
Contingencies and obsolescence . . . . .	6,109,584.66	
Stabilization of rates . . . . .	2,601,316.37	
Sinking fund . . . . .	2,925,745.81	
		14,046,249.17
		\$42,912,901.06
Balance . . . . .		\$ 683,189.33

## SUMMARIZED OPERATING RESULTS

## OF THE

## NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario  
In trust for the Province of Ontario

Revenue; amount received from or billed against municipalities and other customers . . . . .		\$ 5,330,992.42
Operation, maintenance, administration, interest and other current expenses . . . . .	\$ 2,490,853.03	
Provision for reserves—		
Renewals . . . . .	\$ 331,141.48	
Contingencies and obsolescence . . . . .	345,498.96	
Sinking fund . . . . .	1,113,782.83	
		\$ 1,790,423.27
		4,281,276.30
Balance . . . . .		\$ 1,049,716.12



# COMPARATIVE FINANCIAL STATEMENTS RESPECTING THE SYSTEMS OF THE COMMISSION

## NIAGARA SYSTEM

	1940	1941
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased .....	7,269,376.95	7,780,692.51
Operation, maintenance and administration .....	4,882,833.80	5,130,939.35
Interest .....	10,021,929.94	10,136,550.91
Provision for renewals .....	1,653,010.50	1,743,493.19
Provision for contingencies and obsolescence .....	*2,083,787.63	5,303,314.71
Provision for stabilization of rates .....	*1,055,553.12	1,835,247.20
Sinking fund .....	2,264,519.95	2,335,878.57
TOTAL COST OF POWER .....	29,231,011.89	34,266,116.44
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts .....	29,567,161.27	34,813,827.49
Net balance credited or (charged) to municipalities under cost contracts .....	336,149.38	547,711.05

## GEORGIAN BAY SYSTEM

	1940	1941
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased .....	88,521.60	151,543.77
Operation, maintenance and administration .....	537,410.54	573,612.85
Interest .....	559,780.21	543,010.44
Provision for renewals .....	164,305.95	177,086.98
Provision for contingencies and obsolescence .....	* 65,359.60	222,236.76
Provision for stabilization of rates .....	* 138,700.40	150,864.80
Sinking fund .....	123,695.87	131,321.22
TOTAL COST OF POWER .....	1,677,774.17	1,949,676.82
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts .....	1,660,138.13	1,964,178.19
Net balance credited or (charged) to municipalities under cost contracts .....	(17,636.04)	14,501.37

# COMPARATIVE FINANCIAL STATEMENTS RESPECTING THE SYSTEMS OF THE COMMISSION

## EASTERN ONTARIO SYSTEM

	1940	1941
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased.....	1,032,632.56	1,113,892.68
Operation, maintenance and administration.....	955,611.54	1,046,413.90
Interest.....	1,099,651.01	1,083,655.65
Provision for renewals.....	294,695.11	324,269.78
Provision for contingencies and obsolescence.....	* 82,081.93	349,889.12
Provision for stabilization of rates.....	* 392,745.60	435,180.40
Sinking fund.....	243,842.36	260,226.79
TOTAL COST OF POWER.....	4,101,260.11	4,613,528.32
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts.....	4,180,236.52	4,711,338.41
Net balance credited to municipalities under cost contracts....	78,976.41	97,810.09

\*After reclassification on 1941 bases—See Reserves statements.

## THUNDER BAY SYSTEM

	1940	1941
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Operation, maintenance and administration.....	344,796.85	335,698.19
Interest.....	969,338.85	970,641.64
Provision for renewals.....	163,818.74	164,722.38
Provision for contingencies and obsolescence.....	184,273.86	234,144.07
Provision for stabilization of rates.....	125,222.68	180,053.97
Sinking fund.....	197,876.99	198,319.23
TOTAL COST OF POWER.....	1,985,327.97	2,083,579.48
REVENUE from municipalities at interim rates, from rural consumers and from private customers under flat rate contracts.....	1,991,999.98	2,106,746.30
Net balance credited or (charged) to municipalities under cost contracts.....	6,672.01	23,166.82



## MUNICIPAL ELECTRIC UTILITIES

The following is a summary of the year's operation of the local electric utilities conducted by municipalities receiving power under cost contracts with the Commission:

Total revenue collected by the municipal electric utilities .....	\$40,323,274.25
Cost of power.....	\$25,609,038.01
Operation, maintenance and administration.....	6,193,892.80
Interest.....	1,013,146.09
Sinking fund and principal payments on debentures.....	2,231,184.36
Depreciation and other reserves.....	2,880,046.92
Total.....	37,927,308.18
Surplus.....	\$ 2,395,966.07

With regard to the local Hydro utilities operating under cost contracts, the following statements summarize for each of the four co-operative systems administered by the Commission, the financial status and the year's operations as detailed in Section X of the Report.

## NIAGARA SYSTEM

The total plant assets of the Niagara system utilities amount to \$83,915,039.76. The total assets, including an equity in the H-E.P.C. of \$45,610,003.56, aggregate \$147,890,783.95. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in the H-E.P.C., amount to \$81,345,787.41, an increase of \$6,008,228.30 during the year 1941. The percentage of net debt to total assets is 15.4, a reduction of 3.2 per cent.

The total revenue of the municipal electric utilities served by this system was \$33,048,623.86, an increase of \$2,371,179.09 as compared with the previous year. After meeting all expenses in respect of operation, including interest setting up the standard depreciation reserve amounting to \$2,272,711.62 and providing \$2,073,275.07 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Niagara system amounted to \$2,053,468.26, as compared with \$1,280,866.74 the previous year.

## GEORGIAN BAY SYSTEM

The total plant assets of the Georgian Bay system utilities amount to \$3,093,288.99. The total assets, including an equity in the H-E.P.C. of \$1,697,365.75, aggregate \$5,305,237.95. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$3,250,099.73, an increase of \$57,987.40 during the year 1941. The percentage of the net debt to total assets is 9.9, a reduction of 1.1 per cent.

The total revenue of the municipal electric utilities served by this system was \$1,427,900.41, an increase of \$97,540.93 as compared with the previous year. After meeting all expense in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$99,159.97 and providing \$38,241.95 for the retirement of instalment and sinking fund

debentures, the total net loss for the year for the municipal electric utilities served by the Georgian Bay system amounted to \$6,372.94, as compared with a loss of \$18,182.98 the previous year.

#### EASTERN ONTARIO SYSTEM

The total plant assets of the Eastern Ontario system utilities amount to \$9,690,937.41. The total assets, including an equity in the H-E.P.C. of \$2,440,518.23, aggregate \$15,248,885.98. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$10,885,782.81, an increase of \$641,884.45 during the year 1941. The percentage of net debt to total assets is 8.8, a reduction of 0.9 per cent.

The total revenue of the municipal electric utilities served by this system was \$4,414,589.56, an increase of \$363,552.89 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$269,341.00 and providing \$112,576.34 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Eastern Ontario system amounted to \$340,619.93 as compared with \$290,513.86 the previous year.

#### THUNDER BAY SYSTEM

The total plant assets of the Thunder Bay system utilities amount to \$2,978,741.17. The total assets, including an equity in the H-E.P.C. of \$2,710,337.64, aggregate \$6,624,773.84. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$3,386,299.92, an increase of \$44,940.85 during the year 1941. The percentage of net debt to total assets is 11.0, an increase of 1.4 per cent.

The total revenue of the municipal electric utilities served by this system was \$1,432,160.42, an increase of \$95,626.80 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$50,847.42 and providing \$7,091.00 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Thunder Bay system amounted to \$8,250.82, as compared with a net loss of \$21,400.66 for the previous year.

\* \* \*

The past year has afforded to me and to my colleagues, Hon. William L. Houck and Mr. J. Albert Smith, many opportunities for meeting members of local commissions and officials of the Hydro utilities of partner municipalities. Personal contacts with those who govern the affairs of the local Hydro utilities were beneficial, and again we are able to record excellent co-operation and support in the difficult circumstances that characterized the second year of the war.

During the first two years of the war, industrial use of electricity in Ontario increased enormously, and the end is not yet in sight. Notwithstanding the ample reserves of power available to the Hydro at the start of the war, the combined growth of the three Southern Ontario systems exhausted all growth reserves by December 1941. During the winter of 1941-



42 Hydro had no immediate reserves of power left; all supplies were in use, and during the maximum peak load period, some minor curtailment of service for less essential uses was necessary. The Commission has taken steps to add 129,000 horsepower of new generating capacity in Southern Ontario by next December, but the capacity to be added in 1942 will do little more than equal the apparent shortage in dependable capacity that existed in December 1941.

As nearly as can be estimated the shortage of power capacity in Southern Ontario to meet the anticipated growth in demand during the winter of 1941-42, will be not less than 150,000 horsepower, and may exceed 300,000 horsepower. This shortage will have to be met by conservation and restrictions. The Commission is working in close harmony with the Dominion Power Controller and will do all that is possible to assure adequate supplies of power for essential use, and as far as possible it will minimize inconvenience to consumers.

The scarcity of materials essential to any programme of electric power expansion has necessitated strict curtailment of their use for all purposes which do not have a definite bearing on the Nation's war effort. It means also that improvements not vital to the supply of adequate service to war industries must be postponed.

In conclusion I desire to acknowledge the faithful and efficient service given by the Commission's staff in co-operating in many important ways to increase war production. Engineering designs and technical assistance have been placed at the disposal of the Dominion Government and war industry in the Province. Members of the staff have been loaned to the Dominion Government and to the University of Toronto to carry out special research work. The Commission's machine-shops have been producing tools and equipment for war industries under the "Bits and Pieces" programme. Also many of the Commission's employees are now serving in the active armed forces or in the reserve army, particularly the Royal Canadian Engineers.

Finally, I should like to thank the Press for its continued interest and support.

Respectfully submitted,

T. H. HOGG, *Chairman.*

TORONTO, ONTARIO, MARCH 31, 1942.

T. H. HOGG, ESQ., B.A.Sc., C.E., D.ENG.,  
*Chairman, The Hydro-Electric Power Commission of Ontario,*  
*Toronto, Ontario.*

Sir:

I have the honour to submit, herewith, the Thirty-fourth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1941. This report covers the operations of the Commission with regard to the supply of power to, or on behalf of, the partner Municipalities of the several Co-operative Systems, as well as the administration of the Northern Ontario Properties, which are held and operated by the Commission in trust for the Province of Ontario.

I have the honour to be, Sir,

Your obedient servant,

OSBORNE MITCHELL,  
*Secretary*



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THIRTY-FOURTH ANNUAL REPORT  
OF  
**The Hydro-Electric Power Commission  
of Ontario**

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**FOREWORD**  
**and**  
**Guide to the Report**

**T**HE Hydro-Electric Power Commission of Ontario administers a co-operative municipal-ownership enterprise, supplying power throughout the Province of Ontario. The Commission was created in 1906 by special act of the Legislature and followed investigations by advisory commissions appointed as a result of public agitation to conserve the water powers of Ontario as a valuable asset of the people and to provide a more satisfactory supply of low-cost power in southern Ontario. In 1907 The Power Commission Act (7-Edward VII Ch. 19) was passed amplifying and extending the Act of 1906 and this Act—modified by numerous amending acts which now form part of the Revised Statutes of Ontario, 1937, Chap. 62—constitutes the authority under which the Commission operates.

The Hydro-Electric Power Commission of Ontario consists of a Chairman and two Commissioners, all of whom are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One of the Commissioners must be a member of the Executive Council and two may be members.

In 1909, work was commenced on a comprehensive transmission system and by the end of 1910 power was being supplied to several municipalities.

The Commission has now been supplying electrical energy for more than thirty-one years and the Report contains diagrams depicting the growth of the enterprise. During this period the costs of electricity to the consumer have been substantially reduced and the finances of the enterprise have been established on a secure foundation.

At the end of 1941 the Commission was serving 900 municipalities in Ontario. This number included 26 cities, 105 towns, 304 villages and police villages and 465 townships. With the exception of 14 suburban sections of townships known as “voted areas”, the townships and 121 of the smaller villages are served as parts of 184 rural power districts.

**Financial Features of Co-operative Systems**

The basic principle governing the financial operations of the undertaking is, that electrical service be given by the Commission to the municipalities and by the municipalities to the ultimate consumers at cost. Cost includes not only all operating and maintenance charges, interest on capital investment and reserves for renewals or depreciation, for obsolescence and contingencies, and for stabilization of rates, but also a reserve for sinking fund or capital payments on debentures.



The undertaking from its inception has been entirely self-supporting and no contributions have been made from general taxes except in connection with service in rural power districts. In this case, the Province, in pursuance of its long established policy of assisting agriculture and with the approval of the urban citizens, assists extension of rural electrical service by a grant-in-aid of the capital cost and in other ways as specified and detailed in the Report.

As the principle of "service at cost" is radically different from that obtaining in private organizations, where profit is the governing feature, it naturally results in different and in some ways unique administrative features.

The undertaking as a whole involves two distinct phases of operations as follows:

The *First* phase of operations is the provision of the electrical power—either by generation or purchase—and its transformation, transmission and delivery in *wholesale* quantities to individual municipal utilities, to large industrial consumers, and to rural power districts. This phase of the operations is performed by The Hydro-Electric Power Commission of Ontario as trustee for the municipalities acting collectively in groups or "systems," and the financial statements relating to these collective activities of the municipalities are presented in Section IX of the Report. Each system of municipalities, as provided in *The Power Commission Act*, forms an independent financial unit and the accounts are therefore segregated and separately presented for each system. In order, however, that there may be a comprehensive presentation of the co-operative activities of the undertaking as a whole, there are presented, in addition, for the four main systems and miscellaneous co-operative activities, a balance sheet of assets and liabilities, a statement of cost distributions, a tabulation of fixed assets, and summary combined statements respecting the various reserves.

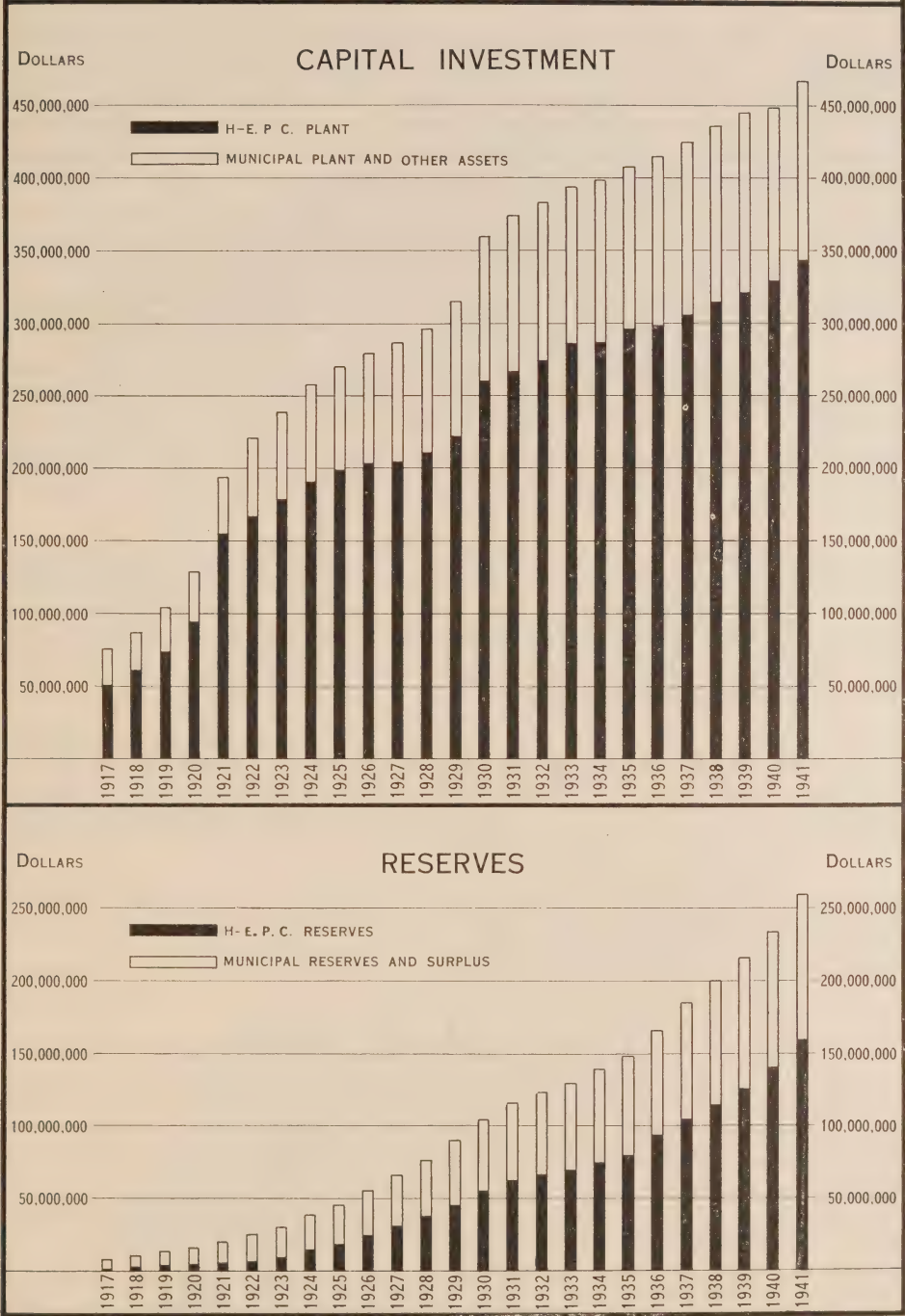
The *Second* phase of operations is the *retail* distribution of electrical energy to consumers within the limits of the areas served by the various municipal utilities and rural power districts. In the case of rural power districts which usually embrace portions of more than one township, The Hydro-Electric Power Commission not only provides the power at wholesale, but also—on behalf of the respective individual townships—attends to all physical and financial operations connected with the distribution of energy at retail to the consumers within the rural power districts. Summary financial statements relating to the rural power districts are also presented in Section IX of the Report, and a general report on their operation is given in Section III.

In the case of cities, towns, many villages and certain thickly populated areas of townships, retail distribution of electrical energy provided by the Commission is in general conducted by individual local municipal utility commissions under the general supervision of The Hydro-Electric Power Commission of Ontario. The balance sheets, operating reports and statistical data relating to the individual urban electrical utilities are presented in Section X of the Report.

For the Northern Ontario Properties held and operated by the Commission in trust for the Province there are also presented in Section IX financial statements including a balance sheet, an operating account, and statements respecting reserves and capital expenditures.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TWENTY-FIVE YEARS RECORD—ALL SYSTEMS



Further details respecting administration, and explanations of the financial tables presented in the Report are given in the introductions to sections IX and X on pages 91 and 175.

### Co-operative Systems Operating

From time to time in accordance with provisions in *The Power Commission Act* various groups of municipalities have been co-ordinated to form systems for the purpose of obtaining power supplies from convenient sources. In some cases these small systems grew until their transmission lines interlocked with those of adjacent systems and it proved beneficial to consolidate the transmission networks and the financial and administrative features. In the well settled parts of the Province, known as Old Ontario, this process has now reached a more stable condition and the municipalities of the southern part of the Province are now combined in three systems: the Niagara system, the Georgian Bay system and the Eastern Ontario system. One other system of partnership municipalities is known as the Thunder Bay system.

*The Niagara System* is the largest and most important system. It embraces municipalities in all the territory between Niagara Falls, Hamilton and Toronto on the east and Windsor, Sarnia and Goderich on the west. It is served with electrical energy generated at plants on the Niagara river, supplemented with power transmitted from generating plants on the Ottawa river and with power purchased from Quebec companies.

*The Georgian Bay System* comprises municipalities in that part of the Province which surrounds the southern end of Georgian Bay and lies to the north of the territory served by the Niagara system. It includes the districts surrounding lake Simcoe and extends as far north as Huntsville in the Lake of Bays district and south to Port Perry. Its power supplies are derived chiefly from local water power developments.

*The Eastern Ontario System* serves all of Ontario east of the areas comprising the Georgian Bay and the Niagara systems. It includes the districts of Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska; formerly separate systems. Its power supplies are from local developments supplemented by purchases from other sources.

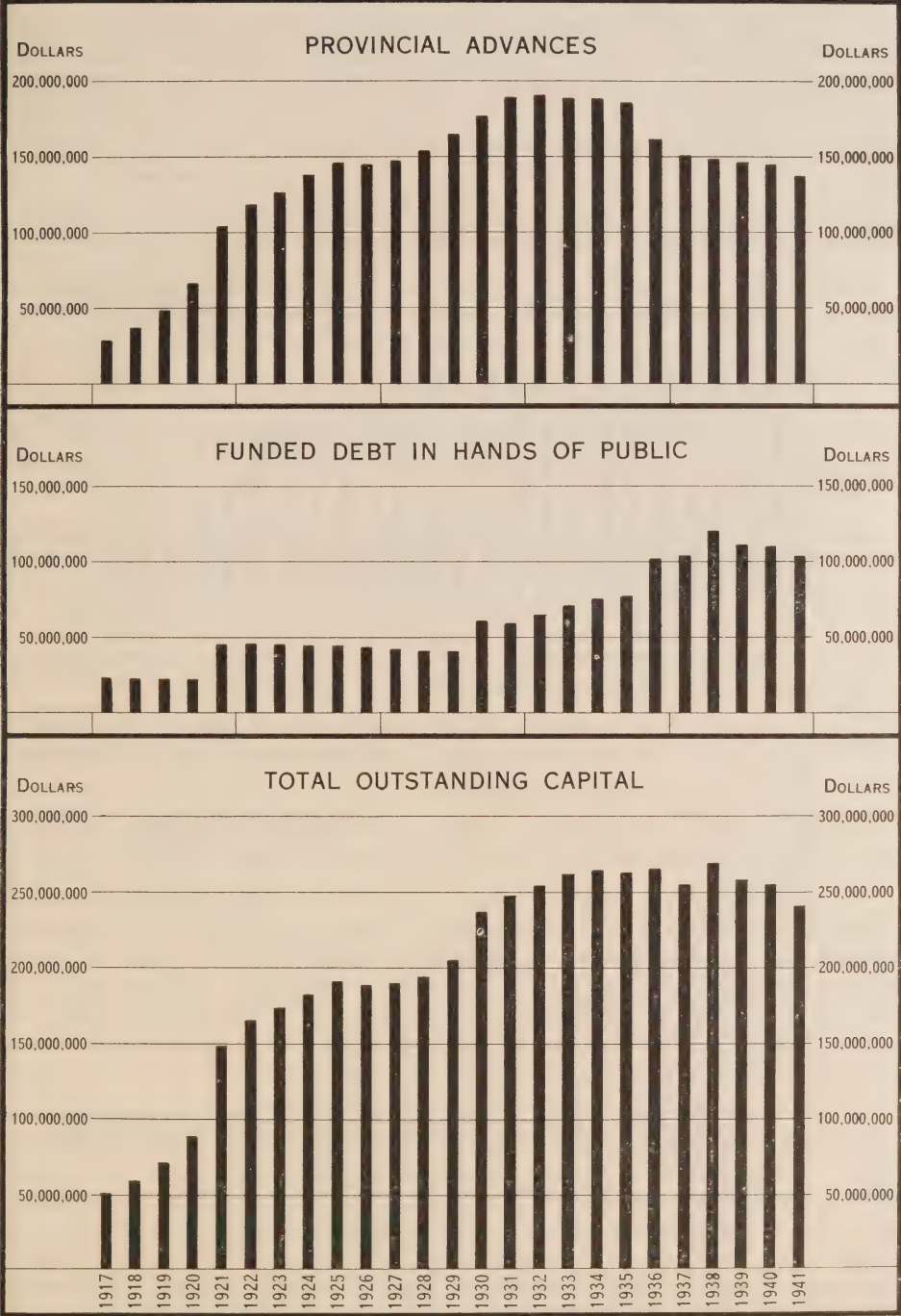
*The Thunder Bay System* comprises the cities of Port Arthur and Fort William, adjacent rural sections, the village of Nipigon, and the mining district of Longlac. Two developments on the Nipigon river supply power.

### Northern Ontario Properties

In addition to its operations on behalf of the partner municipalities, the Commission, under an agreement with the Province, holds and operates the Northern Ontario Properties in trust for the Province. For the purposes of financial administration these properties are treated as one unit. The Northern Ontario Properties lie in the portion of the Province north of lake Nipissing and French River areas, exclusive of the territory served by the Thunder Bay system. The principal areas in this vast territory at present receiving service are the *Nipissing District* centering around the city of North Bay on the shore of lake Nipissing; the *Sudbury District* comprising the city of Sudbury and the adjoining mining area known as Sudbury Basin; the *Abitibi*



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO  
PROVINCIAL ADVANCES AND FUNDED DEBT



*District* comprising the territory served by 25-cycle power from the Abitibi Canyon development, together with a small area in the southern portion of the district of Sudbury in which mining properties are served with 60-cycle power; the *Patricia District* comprising the territory within transmission distance of the Ear Falls development at the outlet of lac Seul on the English river including the Red Lake mining area, and the territory immediately north of lake St. Joseph in the territorial district of Patricia served with power from a development at Rat Rapids on the Albany river. Included in the Northern Ontario Properties are rural power districts on Manitoulin island, and others adjacent to the communities served in the various districts of northern Ontario.

The geographic boundaries of the various systems and districts are shown on the maps of transmission lines and stations at the back of the Report.

The power supplies for the systems and northern Ontario districts are listed in the first table of Section II of the Report on pages 6 and 7.

### The Annual Report

The table of contents, pages xxi and xxii lists the matters dealt with in the Report. At the end of the Report there is a comprehensive index. To those not conversant with the Commission's Reports, the following notes will be useful.

In Section II, pages 5 to 30, dealing with the operations of the systems, are a number of diagrams showing graphically the monthly loads on the several systems and districts. Tables are also presented showing the amounts of power taken by the various municipalities during the past two years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section III on pages 37 to 55.

In Sections V and VI will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

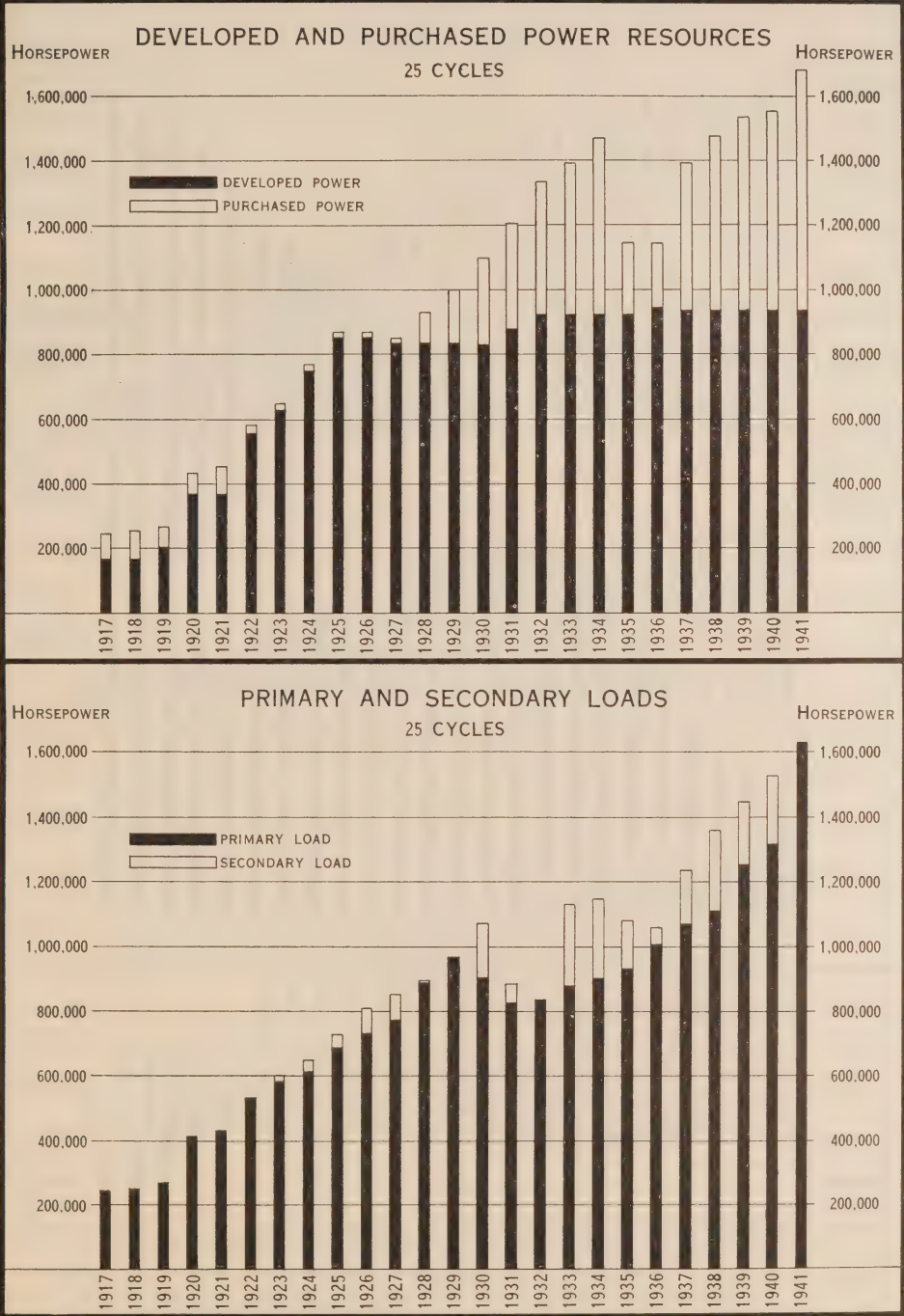
About one-half of the Report is devoted to financial and other statistical data which are presented in two sections IX and X already referred to above.

Frequent enquiries for the rates for service to consumers are received by the Commission. For the urban municipalities served by the Commission these are given in Statement "E" starting on page 336. For the rural power districts they are given in a table starting on page 46. Certain statistical data resulting from the application of the rates in urban utilities are given in Statement "D". This statement is prefaced by a special introduction starting on page 318.

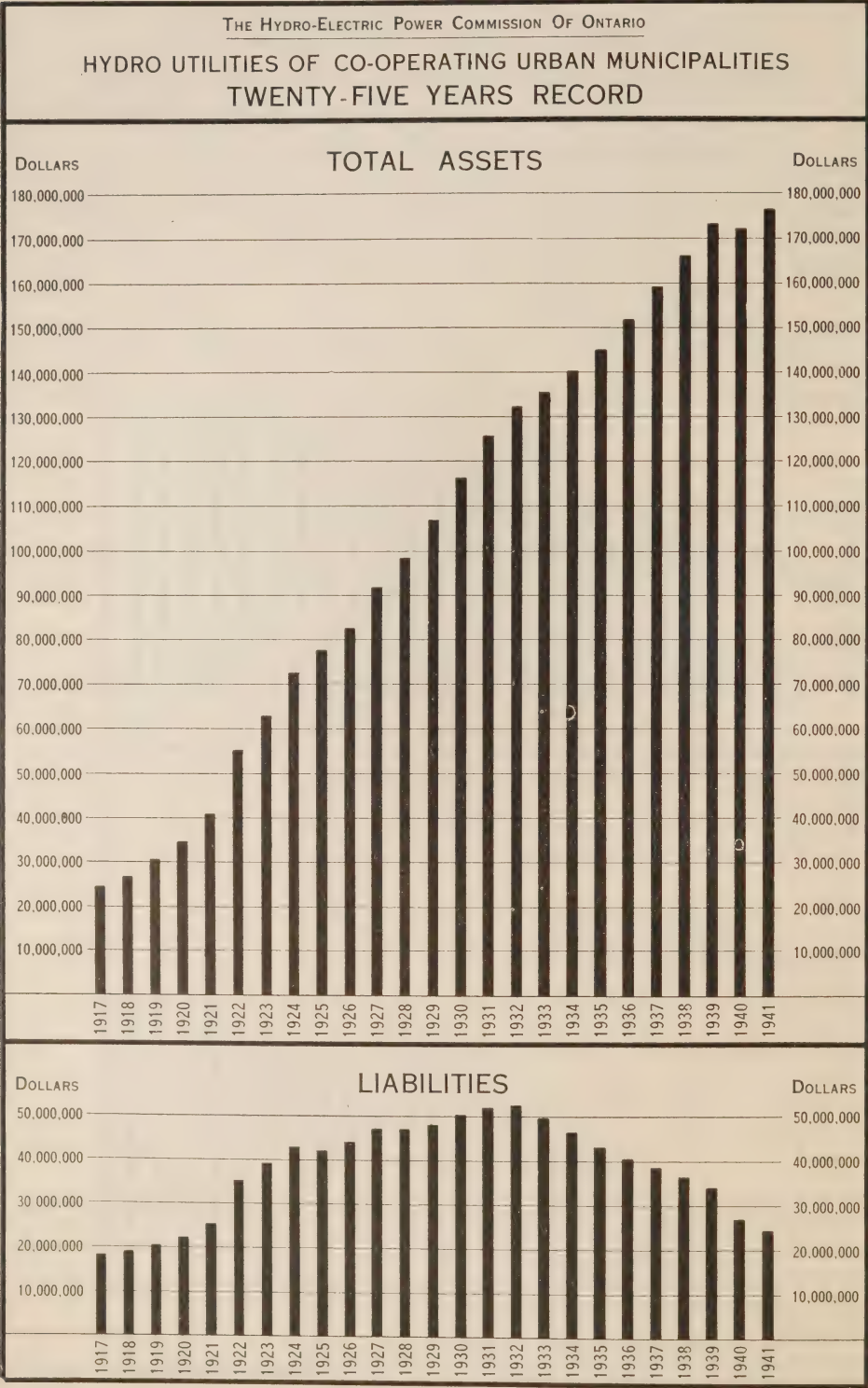
In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements are suitably placed throughout the Report. The Commission receives many letters asking for general information respecting its activities, as well as requests for specific information concerning certain phases of its operations. In most cases the enquiries can satisfactorily be answered by simply directing attention to information presented in the Annual Report.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TWENTY-FIVE YEARS RECORD—NIAGARA SYSTEM

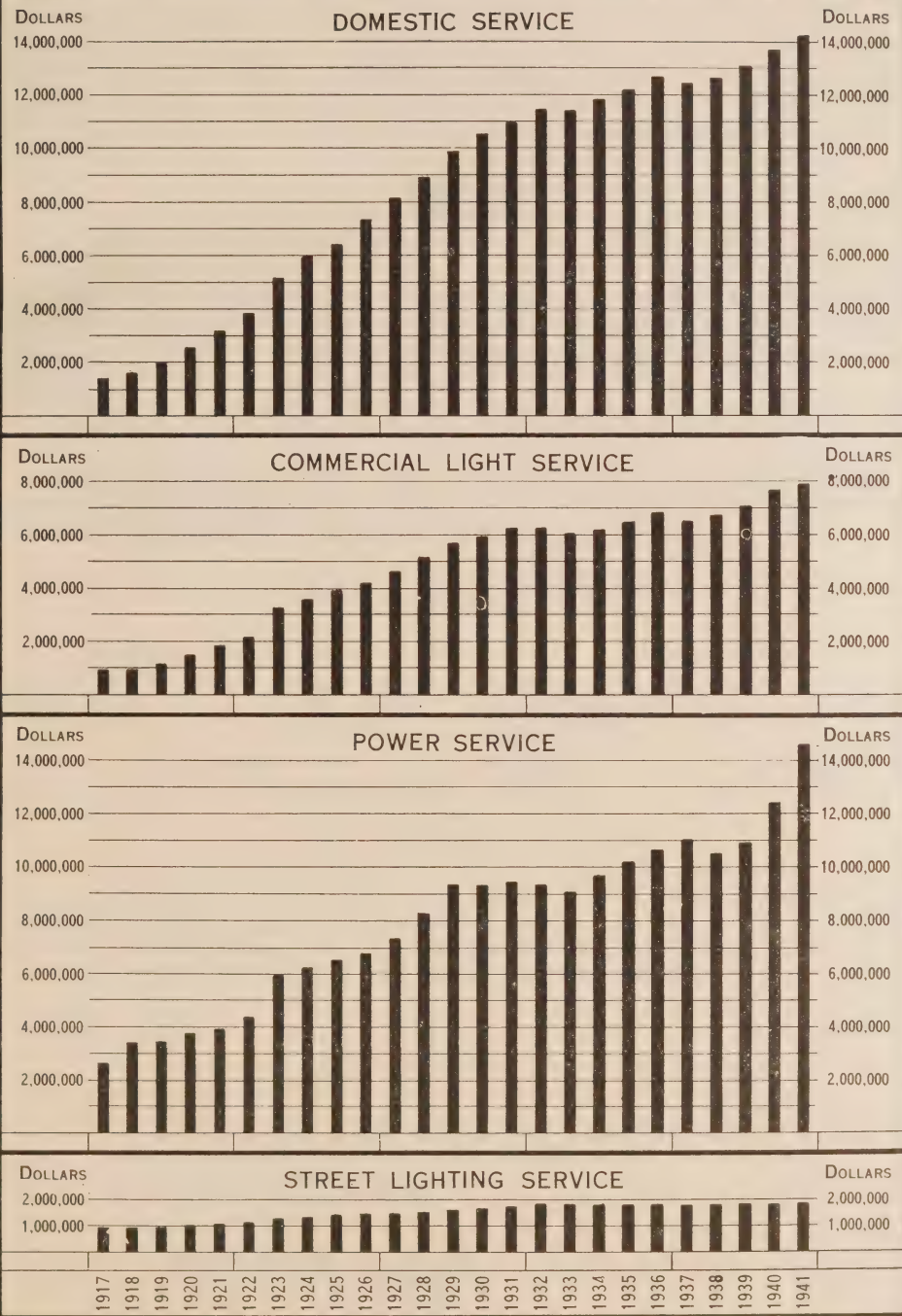






THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES  
TWENTY-FIVE YEARS REVENUES







## SECTION I

### LEGAL

AT the 1941 Session of the Legislative Assembly of the Province of Ontario one Act respecting The Hydro-Electric Power Commission of Ontario was passed. The Act is reproduced in full in Appendix I of this Report. The short title of the said Act is as follows:

The Power Commission Insurance Amendment Act, 1941, Chapter 43.

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities and corporations mentioned in the list hereunder given were approved by Orders-in-Council.

### CO-OPERATIVE SYSTEMS

#### TOWNS AND VILLAGES

Little Current.....	May 7, 1941
Little Current.....	July 11, 1941
Lion's Head.....	Dec. 20, 1939

#### TOWNSHIPS

Barton.....	May 21, 1941
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#### TOWNSHIPS

Osgoode.....	June 23, 1941
South Plantagenet.....	Nov. 15, 1940
St. Edmunds.....	Jan. 18, 1941
Torbolton.....	May 23, 1941
Vaughan.....	April 7, 1941
Waterloo.....	April 12, 1941

### CORPORATIONS

Aluminum Company of Canada Limited.....	Nov. 12, 1940
Aluminum Company of Canada Limited (Firm).....	May 21, 1941
Aluminum Company of Canada Limited (Interruptible).....	May 21, 1941
American Cyanamid Company and North American Cyanamid Limited.....	Oct. 22, 1941
American Cyanamid Company and North American Cyanamid Limited (Supplemental).....	Oct. 22, 1941
Atlas Steels Limited.....	April 19, 1941
Atlas Steels Limited.....	Sept. 29, 1941
Atlas Steels Limited.....	Dec. 5, 1941
Beaver Wood Fibre Company Limited.....	Jan. 6, 1941
Canada Strip Mill Limited.....	July 19, 1941
Canada Talc Limited.....	Jan. 25, 1941
Canadian Bridge Company Limited and Canadian Steel Corporation Limited.....	May 14, 1941
Canadian Bridge Company Limited and Canadian Steel Corporation Limited.....	Dec. 16, 1941
Canadian General Electric Company Limited.....	Feb. 18, 1941
Canadian General Electric Company Limited.....	Jan. 9, 1942
Canadian Industries Limited.....	Jan. 9, 1941
Canadian Industries Limited.....	Jan. 10, 1941
Canadian Pacific Railway Company (Contract A).....	Dec. 30, 1941
Canadian Pacific Railway Company (Contract B).....	Dec. 30, 1941
Cedar Rapids Transmission Company Limited.....	Sept. 30, 1941

## CORPORATIONS—Continued

Defence Industries Limited	Feb. 4, 1941
Defence Industries Limited	July 15, 1941
Dominion Foundries & Steel Company Limited	Dec. 16, 1941
Exolon Company Incorporated	Nov. 12, 1940
Fleet Aircraft Limited	Oct. 14, 1941
Gair Company, Canada, Limited (Campbellford Plant)	Mar. 12, 1941
Gair Company, Canada, Limited (Frankford Plant)	Mar. 12, 1941
General Engineering Company (Canada) Limited	May 6, 1941
Grand River Railway Company	Aug. 1, 1941
His Majesty The King, represented by The Minister of National Defence	Dec. 1, 1940
His Majesty The King, represented by The Minister of National Defence for Air	Aug. 6, 1941
His Majesty The King, represented by The Minister of National Defence for Air	Aug. 26, 1941
His Majesty The King, represented by The Minister of National Defence for Air	Sept. 29, 1941
His Majesty The King, represented by The Minister of National Defence for Air	Dec. 24, 1941
His Majesty The King, represented by The Minister of Transport (Iroquois Section, Galops Canal, Navigation Season)	April 25, 1941
His Majesty The King, represented by The Minister of Transport (Iroquois Section, Galops Canal, Non-Navigation Season)	April 25, 1941
His Majesty The King, represented by The Minister of Transport (Upper Entrance Section, Galops Canal, Navigation Season)	April 25, 1941
His Majesty The King, represented by The Minister of Transport (Upper Entrance Section, Galops Canal, Non-Navigation Season)	April 25, 1941
Howard Smith Paper Mills Limited	July 2, 1941
Lake Erie & Northern Railway Company	Aug. 1, 1941
Lionite Abrasives Limited	June 11, 1941
Maple Leaf Milling Company Limited	Mar. 12, 1941
National Steel Car Corporation Limited	Dec. 18, 1940
Norton Company	Oct. 29, 1941
Welland Chemical Works Limited	Feb. 22, 1941

## NORTHERN ONTARIO PROPERTIES

Trout Creek, Street Lighting	Aug. 26, 1941
Canada Northern Power Corporation Limited, Northern Ontario Power Company Limited and Northern Quebec Power Company Limited, amending the 1933 contract	July 2, 1941

## RIGHT-OF-WAY AND PROPERTY

WAR activities of the Commission involving the construction of new hydro-electric developments and long main transmission lines and the general strengthening of transmission and distribution networks throughout the Province, greatly increased work in connection with the acquisition of properties and right-of-way. The following brief notes relate to the more important operations of the year.

## Niagara System

The procurement of easement rights, purchase of right-of-way and settlement of damage claims, was proceeded with for the newly completed 230,000-volt transmission line approximately 310 miles in length from Beaudet near the Ontario-Quebec border to Burlington.

The purchase of an arterial right-of-way through the metropolitan area of Toronto involved much study and analysis of probable future requirements in order to provide adequately for transmission line expansion. To provide the required clear width on this right-of-way a large number of buildings of various types had to be moved, fences also were removed or changed, and other physical adjustments made.

A right-of-way to provide an overall width of 158 feet, from Windsor east for a distance of six miles, was purchased. This will assure a permanent entrance to this rapidly expanding industrial area. Over the remainder of the distance of approximately 100 miles to St. Thomas, perpetual easement rights were secured for the construction of a new single-circuit steel tower transmission line.

The modernization and enlargement of the DeCew Falls development will affect a large number of private properties and involve purchase of property and the removal of buildings and other structures, both in St. Catharines and the adjoining municipalities.

To protect the intake waters of the Queenston development as a matter of National Defence, all privately held property was acquired on both sides of the Welland river from Hog island on the Niagara river, to Montrose. All residences, buildings and structures within the controlled zone are being removed.

The renewal of easements and purchase of right-of-way involved in certain original easements taken in 1909, which matured in 1939, were proceeded with. In the vicinity of the more rapidly growing cities of Toronto, Windsor, Kitchener, London and Woodstock, certain right-of-way was purchased outright to protect it from encroachment by these growing cities.

#### **Georgian Bay System**

To provide for the transmission of power from the Big Eddy development on the Muskoka river negotiations were conducted with the Department of Mines and Resources, Indian Affairs Branch, for the purchase of a right-of-way and certain other lands in the Gibson Indian Reserve. To provide highway access to the development and land for incidental use other property was acquired from private individuals and from the Province of Ontario.

#### **Eastern Ontario System**

Construction of the power development at Barrett Chute on the Madawaska river involved the purchase of a right-of-way for highway and transmission line purposes. A large amount of property held privately and in the Crown was procured for the various purposes involved in the undertaking including the flood level to be established.

Intimately connected with the Barrett Chute development is the storage reservoir at Bark lake, some 65 miles upstream. The construction of the Bark Lake dam raised the level of the lake and flooded highways and habitations, including many in the village of Madawaska, seven miles away, the site of which was owned by the Canadian National Railways. Extensive negotiations were required with the Department of Highways and Department of Crown Lands and private individuals. Many families were re-established in the area above the flood level. Highways also were relocated at higher levels.

Easement rights in the Eastern Ontario system were purchased for a new single-circuit steel tower transmission line between Trenton and Kingston, a distance of nearly 60 miles.



**General**

The assessment of Commission owned land has been the subject of much study and further progress was made to bring all corporate held property, gradually within the scope of the Power Commission Act.

A great deal of land survey work has been completed on Commission owned property and permanent monuments placed thereon. The effect of this policy is becoming of increasing importance and of much value in relation to all property determination.

With increased industrial activity, improvement has been noted in the leasing of Commission lands, and the collection of revenue therefrom.

A large number of transformer station sites and easement rights throughout the Province were purchased: these were directly associated with the industrial activity connected with the war.

## SECTION II

### OPERATION OF THE SYSTEMS

**D**URING the summer of 1941 more than the usual number of electrical storms occurred, causing many service interruptions which, although numerous and troublesome, were not in general of a serious nature. The other chief cause of service interruptions was high winds or gales, the most severe of which occurred on October 7 when a cyclone of limited extent struck over the right-of-way on which three of the 220,000-volt steel-tower lines carrying power from eastern sources to Toronto are located. Two towers on the north line and one each on the other two lines were wrecked, taking all three lines out of service and causing a serious power shortage in many cities and towns until one line was temporarily repaired and returned to service about sixteen hours later.

The 1941 run-off filled all reservoirs nearly to storage limits, but low precipitation during the run-off period followed by subnormal precipitation into the late summer, was a matter of grave concern to the Commission in meeting the power demand in some localities. By September heavy rains relieved the situation to a marked degree and at the close of the Commission's fiscal year water conditions on practically all storage basins were better than normal.

#### Load Conditions

The total output from all generated and purchased sources amounted to 10,466,241,618 kilowatt-hours. This is larger than the output of any previous fiscal year and exceeded that of the previous year by 8.1 per cent. The October peak load, including primary and secondary power, was 2,312,219 horsepower, the largest ever carried on the combined systems. Compared with the October peak load of a year ago it shows an increase of 18.3 per cent.

Of the total output, 8,905,010,142 kilowatt-hours were for primary power purposes. Compared with the corresponding output of the previous year this was an increase of nearly 14 per cent. Due chiefly to expanding war production, the monthly primary peak loads rose steadily above those of the corresponding months of the previous year. In October the primary peak load reached 2,096,717 horsepower, which was 17.5 per cent above the corresponding peak of a year before.

TOTAL POWER GENERATED

HYDRO-ELECTRIC GENERATING PLANTS

Generating plants	Maximum normal plant capacity Oct. 31, 1941 horsepower	Peak load during fiscal year		Total output during fiscal year	
		1939-40 horse- power	1940-41 horse- power	1939-40 kilowatt- hours	1940-41 kilowatt- hours
<b>Niagara system</b>					
Queenston-Chippawa—Niagara river.....	500,000	486,595	471,850	2,740,693,000	2,657,492,000
"Ontario Power"—Niagara river.....	180,000	180,295	181,635	903,501,000	1,054,829,000
"Toronto Power"—Niagara river.....	150,000	130,965	137,399	176,204,000	504,741,000
Chats Falls (Ontario half)—Ottawa river.	108,000	113,941	113,941	400,814,400	451,426,150
DeCew Falls—Welland canal.....	50,000	50,268	50,000	157,990,000	196,354,000
Steam plant—Hamilton.....	24,000	0	0	0	0
<b>Georgian Bay system</b>					
South Falls—South Muskoka river.....	5,600	5,898	5,697	25,205,880	29,068,080
Hanna Chute—South Muskoka river.....	1,600	1,743	1,743	6,969,600	8,755,200
Trethewey Falls—South Muskoka river..	2,300	2,279	2,279	9,292,800	11,056,800
Ragged Rapids—Muskoka river.....	10,000	10,154	10,657	35,218,500	40,602,400
Big Eddy—Muskoka river.....	5,000	0	5,898	0	1,022,880
Bala No. 1 and No. 2—Muskoka river....	600	590	536	1,928,000	2,509,600
Big Chute—Severn river.....	5,800	6,113	5,845	21,445,780	28,622,400
Wasdells Falls—Severn river.....	1,200	1,206	1,180	3,680,000	4,560,480
Eugenia Falls—Beaver river.....	7,800	7,828	7,668	11,826,800	19,889,800
Hanover—Saugeen river.....	400	429	416	1,246,468	1,498,272
Walkerton—Saugeen river.....	500	496	509	1,923,800	2,247,900
<b>Eastern Ontario system</b>					
Sidney—Dam No. 2—Trent river.....	4,500	5,228	5,127	19,008,000	22,619,100
Frankford—Dam No. 5—Trent river.....	3,500	4,424	3,961	15,347,100	16,900,700
Sills Island—Dam No. 6—Trent river.....	2,100	2,252	1,287	9,960,080	6,663,280
Meyersburg—Dam No. 8—Trent river....	7,000	7,741	7,741	33,016,530	36,698,570
Hague's Reach—Dam No. 9—Trent river..	4,500	5,161	5,094	19,835,470	21,240,540
Ranney Falls—Dam No. 10—Trent river..	11,500	12,172	11,970	50,351,860	54,918,380
Seymour—Dam No. 11—Trent river.....	4,200	4,390	4,424	16,835,520	19,727,040
Heely Falls—Dam No. 14—Trent river....	15,300	16,086	15,985	63,470,240	72,473,200
Auburn—Dam No. 18—Trent river.....	2,400	3,499	2,882	10,776,490	11,299,080
Douro—Lock No. 24—Otonabee river....	900	871	1,052	45,450	422,400
Lakefield—Otonabee river.....	2,300	2,433	2,413	8,682,410	10,367,090
Young's Point—Otonabee river.....	500	496	590	24,500	422,300
Fenelon Falls—Dam No. 30—Sturgeon river	1,000	938	891	2,730,900	3,714,800
High Falls—Mississippi river.....	3,000	3,083	3,385	11,787,000	10,879,200
Carleton Place—Mississippi river.....	400	0	335	0	90,410
Calabogie—Madawaska river.....	6,000	6,273	6,434	16,749,270	23,404,330
Galetta—Mississippi river.....	1,100	1,220	1,193	2,684,400	2,784,000
<b>Thunder Bay system</b>					
Cameron Falls—Nipigon river.....	73,500	67,024	71,381	290,467,000	287,168,000
Alexander—Nipigon river.....	50,000	51,877	52,145	240,124,800	236,834,400
<b>Northern Ontario Properties</b>					
<b>Nipissing district</b>					
Nipissing—South river.....	2,100	2,212	2,172	6,867,180	7,134,440
Bingham Chute—South river.....	1,200	1,300	1,294	3,837,520	4,286,240
Elliott Chute—South river.....	1,700	1,890	1,903	2,863,800	3,448,000
<b>Sudbury district</b>					
Coniston—Wanapitei river.....	5,900	5,898	5,697	21,633,600	20,083,050
McVittie—Wanapitei river.....	3,100	3,217	3,083	17,294,600	17,781,050
Stinson—Wanapitei river.....	7,500	7,239	7,560	19,224,000	16,590,000
Crystal Falls—Sturgeon river.....	10,000	10,214	10,121	32,871,868	39,287,696
<b>Abitibi district</b>					
Abitibi Canyon—Abitibi river.....	240,000	211,796	230,965	1,077,106,500	1,115,701,300
<b>Patricia district</b>					
Ear Falls—English river.....	15,000	13,271	16,086	55,531,920	76,731,660
Rat Rapids—Albany river.....	1,800	3,458	3,485	17,180,160	13,788,380
<b>Total generated.....</b>	<b>1,534,800</b>	<b>*</b>	<b>*</b>	<b>6,564,248,196</b>	<b>7,168,134,598</b>

\* Because the peak loads on the various generating plants and purchased power sources usually occur at different times, the sum of the individual peak loads would not represent the sum of the peak loads on the systems. These, in the case of each system, must relate to the maximum load occurring at any one time. Consequently, the column headed "Peak load" is not totalled.



## AND PURCHASED—ALL SYSTEMS

## POWER PURCHASED

Power source	Contract amount horsepower Oct. 31, 1941	Total purchased	
		1939-40 Kilowatt-hours	1940-41 Kilowatt-hours
Canadian Niagara Power Co. ....	20,000	94,151,700	95,200,600
Gatineau Power Co.—25-cycle. ....	260,000	1,196,338,740	1,190,324,700
Ottawa Valley Power Co. ....	108,000	400,814,400	451,426,150
Beauharnois Light, Heat and Power Co. ....	200,000	737,806,930	778,780,000
Maclaren-Quebec Power Co.—“Main contract” ..	100,000	313,291,000	409,275,200
Maclaren-Quebec Power Co.—“War power” ..	57,500		
Gatineau Power Co.—60-cycle delivery at 110 kv.	60,000	275,838,460	274,820,000
Gatineau Power Co.—60-cycle delivery at 11 kv.	20,000	68,848,200	72,003,600
Gatineau Power Co.—60-cycle delivery at Tread- well* .....	350	474,400	462,560
M.F. Beach Estate .....	500	1,702,000	2,266,000
Rideau Power Co. ....	400	1,887,200	1,883,500
Campbellford Water and Light Commission .....	800	5,577,100	5,174,800
Manitoulin Pulp Co.* .....	800	756,900	1,018,000
Huronian Co.* .....	150	313,200	397,800
Pembroke Electric Light Co. Ltd.* .....	1,000	379,200	2,297,370
Orillia Water, Light and Power Commission* ..	504	802,900	896,600
Gananoque Light, Heat and Power Co.* .....	177	296,020	352,660
Abitibi Power and Paper Co. † .....		12,886,115	780,800
Kaministiquia Power Co. † .....		9,341,760	9,776,480
Fenelon Falls Light, Heat and Power Commission ‡		3,600	0
Welland Ship Canal ‡ .....		644,400	970,200
Total purchased .....	830,181	3,122,154,225	3,298,107,020
Power purchased, contract amount, 1941 .....		830,181	horsepower
Maximum normal plant capacity, 1941 .....		1,534,800	“
Total available capacity generated and purchased, 1941 ..		2,364,981	“
Total available capacity generated and purchased, 1940 ..		2,233,165	“
Difference (increase) .....		131,816	“
Total energy purchased, 1941 .....		3,298,107,020	kilowatt-hours
Total energy generated, 1941 .....		7,168,134,598	“
Total energy generated and purchased, 1941 .....		10,466,241,618	“
Total energy generated and purchased, 1940 .....		9,686,402,421	“
Difference (increase) .....		779,839,197	“

\*Purchased for delivery to remote rural power districts.

†Purchased on kilowatt-hour basis.

‡Emergency use.

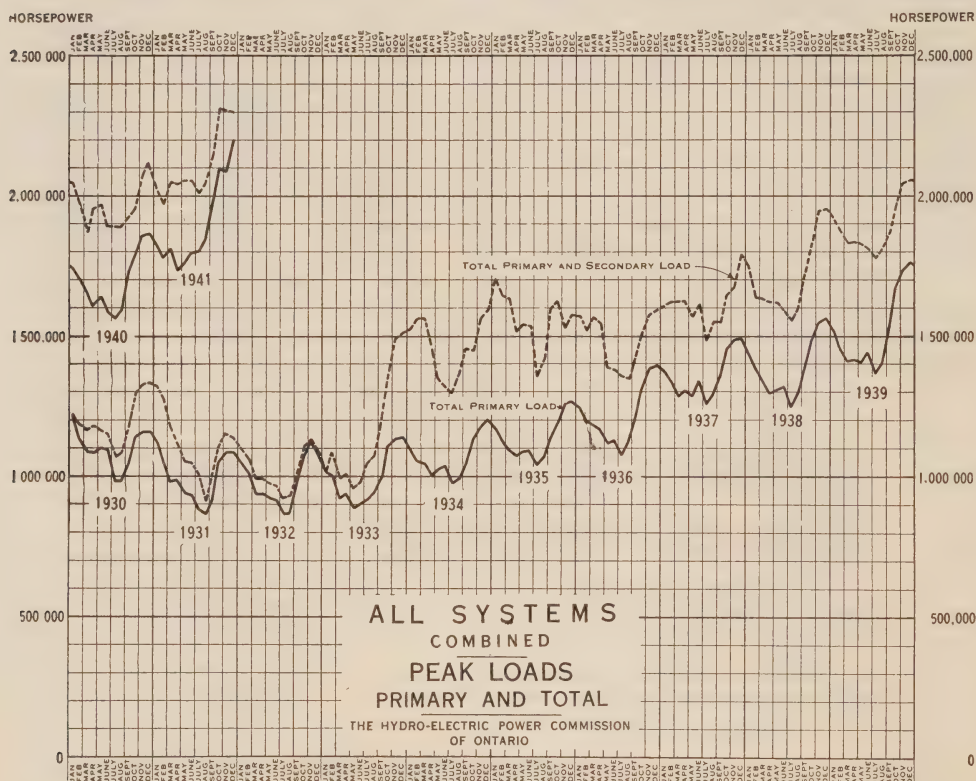
**CAUTION:** The figures for “Maximum normal plant capacity” reflect the capacity of the various plants under the most favourable operating conditions which can reasonably be considered as normal, taking into consideration turbine capacity as well as generator capacity, and also the net operating head and available water supply.

Owing, among other things, to changes in generating equipment due to wear and tear or the replacement of parts, also to changes in limitations governing water levels and effective net heads, the maximum normal plant capacity is not a fixed quantity but is one which must be revised from time to time.

It is particularly important to bear in mind that the column headed “Maximum normal plant capacity” cannot be taken as an indication of the dependable capacity of the various plants: in some cases it is, but in many cases it is not. Chief among the factors which govern the maximum dependable capacity of an hydraulic power plant and which are not reflected in column headed “Maximum normal plant capacity” are abnormal variations in water supply and operating limitations encountered when plants are so situated on a given stream as to be affected by one another.

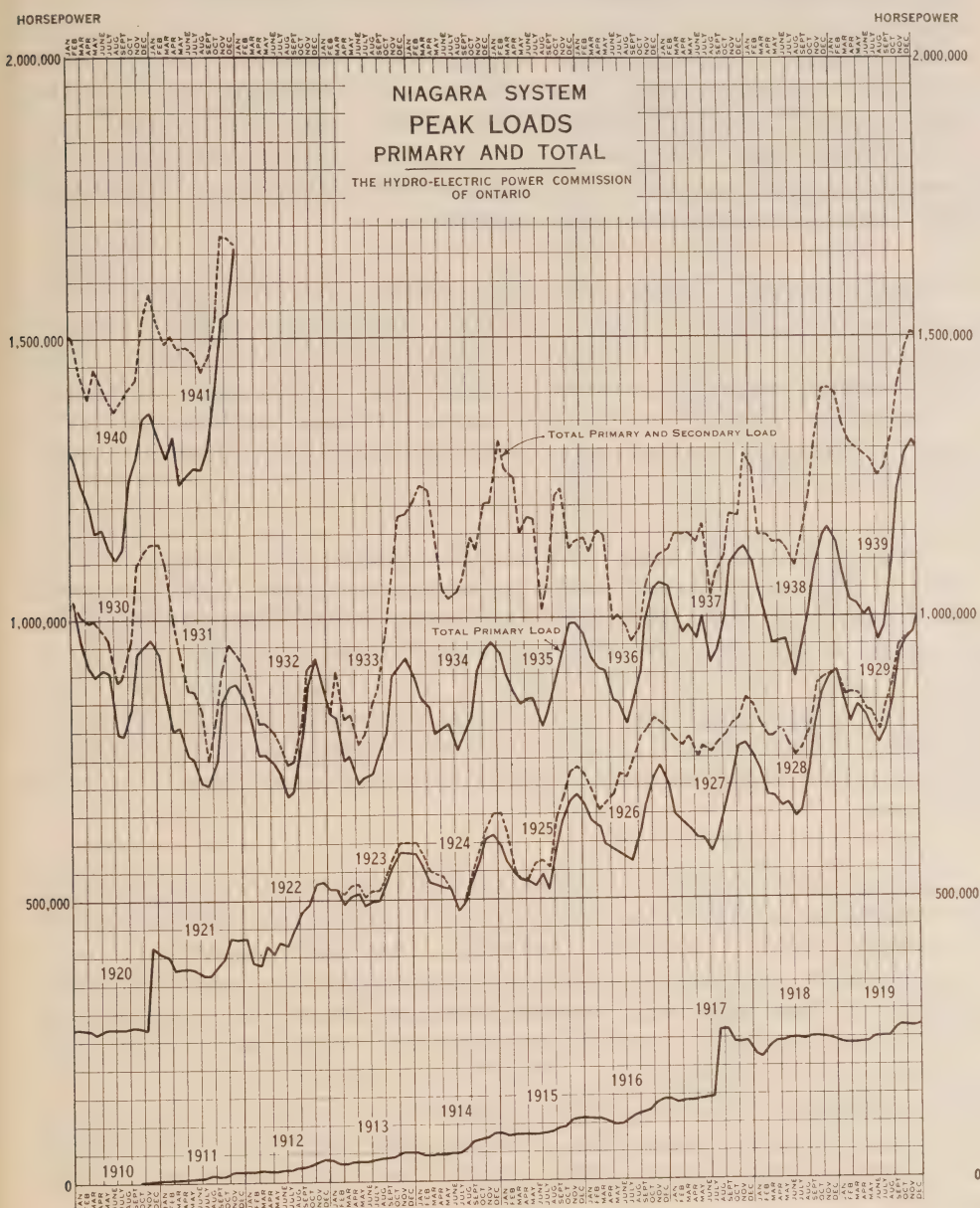
The loads of the Southern Ontario systems (Niagara, Eastern Ontario and Georgian Bay) account for most of this increase, as it is in the area served by these systems that nearly all of the province's war production plants are situated. In areas served by the Northern Ontario Properties the aggregate increase in primary load, while substantial, was not as great as in previous years.

Details regarding the load of each of the co-operative systems and of the several districts of the Northern Ontario Properties, are given in the load curves in this section of the Report.



### NIAGARA SYSTEM

The total output of energy from all sources in the Niagara system exceeded that of any previous year. Compared with the previous year it was 9.5 per cent greater. Approximately 82 per cent of the total output was supplied for primary power purposes, the balance being classed as secondary. This ratio between primary and secondary classification has not changed materially from the previous year but due to expanding war production, the greater portion of the power now classed as secondary is being used for vital war purposes and cannot be interrupted. The output of energy classed



as primary exceeded the corresponding output in the previous year by 14.1 per cent. In every month the primary peak loads were above the level of a year ago, rising sharply in the last half of the year to a maximum in October of 19 per cent in excess of the previous October.

All sources of power supply were operated to obtain the greatest possible amount of power and energy throughout the year. No serious trouble was



experienced from ice conditions during the winter at any generating station supplying power to the Niagara system. On two occasions, a power shortage on the 66-cycle Dominion Power division was avoided by the temporary purchase of 5,000 horsepower from the Department of Transport's generating station on the Welland ship canal. Natural flow conditions on the Ottawa river drainage basin averaged above normal for the year and Chats Falls generating station was operated to produce energy in excess of the Ottawa Valley Power Company contract requirements.

On November 4, 1940, the total Canadian diversion on the Niagara river was increased from 36,000 to 41,000 cubic feet per second. This was further increased on June 13, 1941, to 44,000 cubic feet per second. While no additional peak output became available from the increased diversion, it did enable the Niagara river plants to operate at higher load factors and thus meet the high energy consumption, resulting from longer hours of use in war-time production.

Impending winter power shortage necessitated the taking of eastern power in advance of contract date. By arrangement, the 20,000 horsepower due November 1, 1944, from MacLaren-Quebec Power Company was taken on August 20, and the 50,000 horsepower due November 1, 1941, from Beauharnois Light, Heat and Power Company was taken on August 28. Thus, all primary load requirements in the Niagara system were successfully met this year, although it was necessary on a few occasions over the peak-load periods in the winter months of 1941-42 to curtail power delivery to a few industries.

Except for the failure of the 220,000-volt steel-tower lines mentioned in the opening paragraph on the operation of all systems, all transmission lines functioned reliably throughout the year. The fourth 220,000-volt steel-tower line from the Ontario-Quebec boundary near the St. Lawrence to serve Toronto and Hamilton areas, was completed and service over it given to the Toronto area on April 9, and to Hamilton area on August 24, 1941. The importance of this fourth line, carried over a separate right-of-way, was fully demonstrated in October when the other three lines failed. By carrying a heavy overload on the new line, while the other three lines were disabled, service was maintained much nearer normal than would otherwise have been possible.

Operation of the transformer and distributing stations this year featured the addition of many new stations to furnish service for expanding war needs. The most important addition was the Burlington transformer station, placed in service with an initial capacity of 75,000 kv-a on August 24. On October 12, 1941, a second, three-phase transformer was added, bringing the capacity of the Burlington transformer station to 150,000 kv-a. To take care of rising loads, the capacity of many stations was increased during the year.

NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1940-41

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Acton . . . . .	1,240.0	1,610.2	.....	370.2
Agincourt . . . . .	219.3	233.5	.....	14.2
Ailsa Craig . . . . .	139.9	146.9	.....	7.0
Alvinston . . . . .	116.6	109.9	6.7	.....
Amherstburg . . . . .	984.4	1,092.2	.....	107.8
Ancaster Township—Voted Area . . . . .	411.2	411.6	.....	0.4
Arkona . . . . .	68.5	71.2	.....	2.7
Aurora . . . . .	1,310.3	1,389.0	.....	78.7
Aylmer . . . . .	848.1	862.1	.....	24.0
Ayr . . . . .	243.7	280.6	.....	36.9
Baden . . . . .	364.2	472.0	.....	107.8
Beachville . . . . .	567.8	655.2	.....	87.4
Beamsville . . . . .	426.3	475.5	.....	49.2
Belle River . . . . .	180.6	200.0	.....	19.4
Blenheim . . . . .	624.4	639.9	.....	15.5
Blyth . . . . .	154.5	147.8	6.7	.....
Bolton . . . . .	221.5	221.2	0.3	.....
Bothwell . . . . .	156.7	167.2	.....	10.5
Brampton . . . . .	3,143.1	3,183.3	.....	40.2
Brantford . . . . .	17,969.1	20,095.7	.....	2,126.6
Brantford Township—Voted Area . . . . .	1,012.1	1,177.7	.....	165.6
Bridgeport . . . . .	127.1	166.5	.....	39.4
Brigden . . . . .	89.8	89.5	0.3	.....
Bronte . . . . .	213.9	265.4	.....	51.5
Brussels . . . . .	173.3	170.2	3.1	.....
Burford . . . . .	257.4	249.5	7.9	.....
Burgessville . . . . .	53.1	65.0	.....	11.9
Burlington . . . . .	1,353.9	1,640.3	.....	286.4
Burlington Beach . . . . .	510.4	500.2	10.2	.....
Caledonia . . . . .	423.9	436.2	.....	12.3
Campbellville . . . . .	50.4	43.7	6.7	.....
Cayuga . . . . .	156.3	156.1	0.2	.....
Chatham . . . . .	7,446.5	7,762.7	.....	316.2
Chippawa . . . . .	341.8	382.8	.....	41.0
Clifford . . . . .	108.3	112.6	.....	4.3
Clinton . . . . .	642.0	697.3	.....	55.3
Comber . . . . .	150.8	170.6	.....	19.8
Cottam . . . . .	91.1	99.3	.....	8.2
Courtright . . . . .	49.3	55.9	.....	6.6
Dashwood . . . . .	106.3	95.8	10.5	.....
Delaware . . . . .	80.6	87.4	.....	6.8
Delhi . . . . .	755.0	779.9	.....	24.9
Dorchester . . . . .	127.9	143.0	.....	15.1
Drayton . . . . .	143.6	143.4	0.2	.....
Dresden . . . . .	474.5	439.5	35.0	.....
Drumbo . . . . .	118.9	122.8	.....	3.9
Dublin . . . . .	118.9	106.0	12.9	.....
Dundas . . . . .	2,399.1	2,868.0	.....	468.9
Dunnville . . . . .	1,342.3	1,505.8	.....	163.5
Dutton . . . . .	274.7	289.7	.....	15.0

## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1940-1941—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
East York Township.....	8,351.7	8,592.7		241.0
Elmira.....	909.1	929.6		20.5
Elora.....	440.9	498.8		57.9
Embro.....	118.1	131.4		13.3
Erieau.....	187.7	199.5		11.8
Erie Beach.....	63.3	47.4	15.9	
Essex.....	737.9	796.7		58.8
Etobicoke Township—Voted Area.....	7,379.1	7,878.5		499.4
Exeter.....	736.6	700.5	36.1	
Fergus.....	1,364.6	1,550.3		185.7
Fonthill.....	190.6	206.1		15.5
Forest.....	561.8	562.7		0.9
Forest Hill.....	7,870.6	7,997.6		127.0
Galt.....	9,685.1	11,445.2		1,760.1
Georgetown.....	1,686.5	1,810.9		124.4
Glencoe.....	239.9	226.4	13.5	
Goderich.....	1,581.4	1,663.7		82.3
Granton.....	86.3	80.4	5.9	
Grimsby.....	862.7	786.8	75.9	
Guelph.....	11,231.2	11,732.6		501.4
Hagersville.....	1,121.1	1,284.9		163.8
Hamilton.....	135,555.6	159,175.7		23,620.1
Harriston.....	403.0	432.9		29.9
Harrow.....	616.5	644.2		27.7
Hensall.....	245.4	238.1	7.3	
Hespeler.....	2,768.8	2,975.0		206.2
Highgate.....	100.4	106.0		5.6
Humberstone.....	597.9	557.9	40.0	
Ingersoll.....	2,856.8	3,216.6		359.8
Jarvis.....	230.6	243.6		13.0
Kingsville.....	766.5	762.5	4.0	
Kitchener.....	24,811.2	28,308.6		3,497.4
Lambeth.....	149.9	173.2		23.3
La Salle.....	226.6	245.0		18.4
Leamington.....	2,296.4	2,060.7	235.7	
Listowel.....	1,334.4	1,482.2		147.8
London.....	41,310.6	44,091.8		2,781.2
London Township—Voted Area.....	630.0	672.5		42.5
Long Branch.....	1,113.5	1,241.7		128.2
Lucan.....	221.3	214.1	7.2	
Lynden.....	124.4	130.7		6.3
Markham.....	387.4	430.0		42.6
Merlin.....	125.3	120.5	4.8	
Merritton.....	7,314.0	8,405.7		1,091.7
Milton.....	1,414.9	1,551.4		136.5
Milverton.....	389.1	368.2	20.9	
Mimico.....	2,686.3	2,744.0		57.7
Mitchell.....	717.4	743.3		25.9
Moorefield.....	40.5	40.9		0.4
Mount Brydges.....	115.8	113.8	2.0	



## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1940-1941—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Newbury.....	42.9	34.4	8.5	.....
New Hamburg.....	631.6	658.4	.....	26.8
Newmarket.....	1,831.4	1,931.3	.....	99.9
New Toronto.....	10,436.5	11,248.7	.....	812.2
Niagara Falls.....	11,686.3	11,605.9	80.4	.....
Niagara-on-the-Lake.....	930.3	1,085.8	.....	155.5
North York Township.....	6,669.4	8,655.6	.....	1,986.2
Norwich.....	431.6	460.0	.....	28.4
Oakville.....	1,075.1	1,203.7	.....	128.6
Oil Springs.....	218.8	213.3	5.5	.....
Otterville.....	172.1	125.5	46.6	.....
Palmerston.....	591.0	628.5	.....	37.5
Paris.....	1,795.9	2,083.1	.....	287.2
Parkhill.....	211.0	234.4	.....	23.4
Petrolia.....	1,212.1	1,206.5	5.6	.....
Plattsville.....	105.4	140.3	.....	34.9
Point Edward.....	1,491.5	1,677.6	.....	186.1
Port Colborne.....	2,230.6	2,298.9	.....	68.3
Port Credit.....	822.0	922.5	.....	100.5
Port Dalhousie.....	1,057.0	1,038.3	18.7	.....
Port Dover.....	515.1	570.9	.....	55.8
Port Rowan.....	104.6	118.3	.....	13.7
Port Stanley.....	1,120.9	1,121.2	.....	0.3
Preston.....	3,504.3	3,961.0	.....	456.7
Princeton.....	143.3	150.0	.....	6.7
Queenston.....	172.4	164.3	8.1	.....
Richmond Hill.....	487.1	513.4	.....	26.3
Ridgetown.....	658.0	709.4	.....	51.4
Riverside.....	1,226.7	1,253.0	.....	26.3
Rockwood.....	128.4	130.0	.....	1.6
Rodney.....	196.2	189.9	6.3	.....
St. Catharines.....	21,407.5	26,757.4	.....	5,349.9
St. Clair Beach.....	106.5	122.6	.....	16.1
St. George.....	150.7	163.0	.....	12.3
St. Jacobs.....	331.1	359.2	.....	28.1
St. Marys.....	1,650.1	1,620.5	29.6	.....
St. Thomas.....	8,433.0	8,495.3	.....	62.3
Sarnia.....	10,386.0	11,880.7	.....	1,494.7
Scarborough Township.....	4,244.2	4,919.5	.....	675.3
Seaforth.....	635.1	799.5	.....	164.4
Simcoe.....	2,752.7	2,750.7	2.0	.....
Smithville.....	250.7	178.6	72.1	.....
Springfield.....	75.2	74.4	0.8	.....
Stamford Township—Voted Area.....	2,724.7	2,815.0	.....	90.3
Stoney Creek.....	217.7	250.1	.....	32.4
Stouffville.....	309.5	304.1	5.4	.....
Stratford.....	8,284.9	7,976.0	308.9	.....
Strathroy.....	1,463.9	1,503.1	.....	39.2
Streetsville.....	191.9	249.0	.....	57.1
Sutton.....	429.1	467.0	.....	37.9

## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1940-1941—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Swansea .....	3,368.0	3,707.8	.....	339.8
Tavistock .....	685.5	697.4	.....	11.9
Tecumseh .....	548.8	603.9	.....	55.1
Thamesford .....	235.6	241.3	.....	5.7
Thamesville .....	250.4	281.5	.....	31.1
Thedford .....	138.8	126.8	12.0	.....
Thorndale .....	85.3	94.4	.....	9.1
Thorold .....	2,674.9	2,635.3	39.6	.....
Tilbury .....	796.2	1,062.3	.....	266.1
Tillsonburg .....	1,456.7	1,558.7	.....	102.0
*Toronto .....	379,541.5	381,593.8	.....	2,052.3
Toronto Township .....	2,679.3	2,895.2	.....	215.9
Trafalgar Township—Voted Area No. 1 .....	481.9	463.1	18.8	.....
Trafalgar Township—Voted Area No. 2 .....	130.5	205.3	.....	74.8
Wallaceburg .....	2,786.9	3,234.6	.....	447.7
Wardsville .....	44.8	43.7	1.1	.....
Waterdown .....	234.0	243.4	.....	9.4
Waterford .....	513.9	569.7	.....	55.8
Waterloo .....	4,573.7	5,288.9	.....	715.2
Watford .....	390.6	422.6	.....	32.0
Welland .....	10,983.9	12,190.0	.....	1,206.1
Wellesley .....	135.1	139.5	.....	4.4
West Lorne .....	205.6	250.1	.....	44.5
Weston .....	4,358.7	4,765.4	.....	406.7
Wheatley .....	194.1	209.8	.....	15.7
Windsor .....	48,461.5	51,967.8	.....	3,506.3
Woodbridge .....	617.4	683.8	.....	66.4
Woodstock .....	7,989.3	8,798.6	.....	809.3
Wyoming .....	94.1	91.3	2.8	.....
York Township, East—(See East York Township) .....	.....	.....	.....	.....
York Township, North—(See North York Township) .....	.....	.....	.....	.....
Zurich .....	122.5	141.1	.....	18.6

\*York Township load was included in Toronto in 1940, but not in 1941; see below.

NOTE: The yearly peak demands of the individual municipal Hydro utilities and also of the rural power districts do not all occur during the same month of the year nor, for any given municipality or rural power district, do they always occur in the same month in successive years; in nearly all cases however the yearly peak occurs during the second half of the calendar year. For this reason a comparison of the peaks occurring during the second half of the year as shown in the tables of this Section shows most satisfactorily the general trend of the local loads.

## LOADS OF NEW MUNICIPALITIES

Municipality	Date connected	Load in horsepower		Change in load	
		Initial	July to Dec., 1941	Decrease	Increase
York Township .....	Jan. 1, 1941	20,137.1	21,028.1	.....	891.0

# NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Acton . . . . .	25.0	30.0		5.0
Ailsa Craig . . . . .	101.7	101.6	0.1	
Alvinston . . . . .	36.0	36.8		0.8
Amherstburg . . . . .	1,164.7	1,048.4	116.3	
Aylmer . . . . .	942.1	1,467.4		525.3
Ayr . . . . .	81.5	82.0		0.5
Baden . . . . .	842.4	874.9		32.5
Beamsville . . . . .	2,040.1	2,336.8		296.7
Belle River . . . . .	455.1	454.8	0.3	
Blenheim . . . . .	359.7	378.2		18.5
Bond Lake . . . . .	1,878.0	1,935.1		57.1
Bothwell . . . . .	432.7	422.1	10.6	
Brampton . . . . .	338.6	435.2		96.6
Brant . . . . .	1,594.5	1,984.5		390.0
Brigden . . . . .	119.4	149.8		30.4
Burford . . . . .	368.2	362.8	5.4	
Caledonia . . . . .	987.6	1,316.9		329.3
Chatham . . . . .	1,071.0	1,229.8		158.7
Chippawa . . . . .	188.7	207.9		19.2
Clinton . . . . .	308.6	331.8		23.2
Delaware . . . . .	665.2	741.4		76.2
Dorchester . . . . .	843.4	922.6		79.2
Dresden . . . . .	202.8	219.1		16.3
Drumbo . . . . .	353.4	347.3	6.1	
Dundas . . . . .	1,150.2	1,306.6		156.4
Dunnville . . . . .	439.4	573.4		134.0
Dutton . . . . .	263.9	219.0	44.9	
Elmira . . . . .	153.4	161.0		7.6
Elora . . . . .	332.9	268.9	64.0	
Essex . . . . .	575.3	592.5		17.2
Exeter . . . . .	1,000.2	1,118.6		118.4
Forest . . . . .	227.6	244.8		17.2
Galt . . . . .	453.9	491.1		37.2
Georgetown . . . . .	344.6	400.6		56.0
Goderich . . . . .	687.4	811.9		124.5
Grantham . . . . .	941.8	1,117.0		175.2
Guelph . . . . .	811.4	930.3		118.9
Haldimand . . . . .	1,066.6	1,589.2		522.6
Harriston . . . . .	55.5	60.8		5.3
Harrow . . . . .	1,079.6	1,148.5		68.9
Ingersoll . . . . .	925.1	1,511.9		586.8
Jordan . . . . .	533.1	514.4	18.7	
Keswick . . . . .	1,687.9	1,747.9		60.0
Kingsville . . . . .	1,502.0	1,531.1		29.1
Listowel . . . . .	489.3	554.4		65.1
London . . . . .	3,055.6	3,275.0		219.4
Lucan . . . . .	199.8	224.3		24.5
Lynden . . . . .	370.6	402.3		31.7
Markham . . . . .	946.1	1,098.1		152.0
Merlin . . . . .	329.2	351.1		21.9

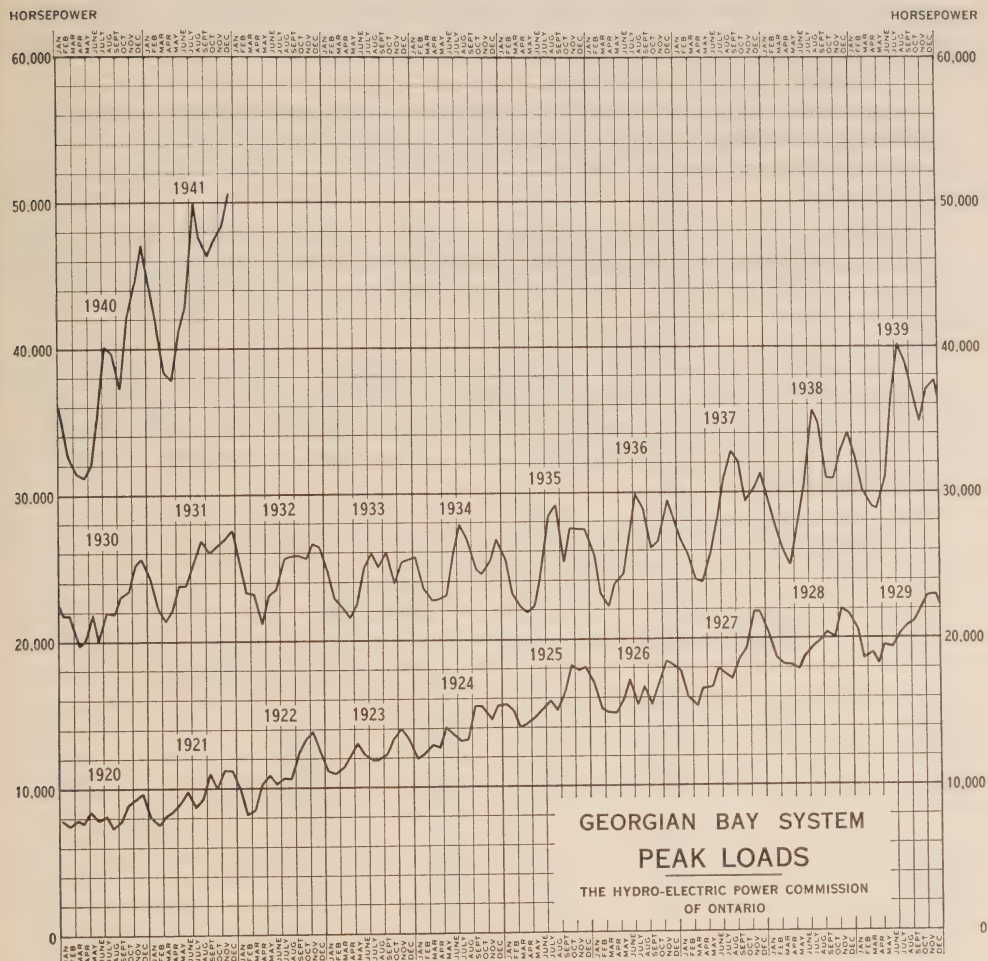


## NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941—Concluded

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Milton .....	413.7	370.9	42.8	.....
Milverton .....	234.7	241.3	.....	6.6
Mitchell .....	509.4	505.0	4.4	.....
Newmarket .....	587.2	643.3	.....	56.1
Niagara .....	955.9	967.8	.....	11.9
Norwich .....	755.8	809.6	.....	53.8
Oil Springs .....	160.6	179.9	.....	19.3
Palmerston .....	185.3	226.2	.....	40.9
Petrolia .....	138.7	147.5	.....	8.8
Preston .....	1,871.1	1,997.6	.....	126.5
Ridgetown .....	677.0	670.5	6.5	.....
St. Jacobs .....	479.8	564.3	.....	84.5
St. Marys .....	799.0	866.7	.....	67.7
St. Thomas .....	2,255.4	2,501.4	.....	246.0
Saltfleet .....	1,741.0	1,932.9	.....	191.9
Sandwich .....	1,984.6	2,319.5	.....	334.9
Sarnia .....	1,280.6	1,305.8	.....	25.2
Scarborough .....	968.9	1,321.4	.....	352.5
Seaforth .....	101.4	114.4	.....	13.0
Simcoe .....	694.3	763.0	.....	68.7
Stamford .....	305.6	341.7	.....	36.1
Stratford .....	376.6	410.7	.....	34.1
Strathroy .....	359.6	363.3	.....	3.7
Streetsville .....	701.2	721.2	.....	20.0
Tavistock .....	533.9	590.8	.....	56.9
Thamesville .....	281.6	310.2	.....	28.6
Tilbury .....	492.7	427.8	64.9	.....
Tillsonburg .....	843.1	980.6	.....	137.5
Wallaceburg .....	470.3	535.9	.....	65.6
Walsingham .....	881.8	940.2	.....	58.4
Walton .....	270.9	285.7	.....	14.8
Waterdown .....	1,619.7	1,798.9	.....	179.2
Waterford .....	600.0	642.9	.....	42.9
Watford .....	181.2	178.9	2.3	.....
Welland .....	2,165.7	2,564.9	.....	399.2
Woodbridge .....	1,441.8	1,586.9	.....	145.1
Woodstock .....	1,342.2	1,341.1	1.1	.....

GEORGIAN BAY SYSTEM

The average primary load of the Georgian Bay system, exceeded that of the previous year by 35.7 per cent. The greater portion of this increase resulted from a comparatively large block of power supplied to the National Defence Industries at Nobel which started operations at the close of the previous year. The maximum primary peak load occurred in July and was 49,897 horsepower. Compared with the July peak load of 1940 it was 24.2 per cent greater.



— The Georgian Bay system entered the year with stream flows and water storage reserves well above normal. Favourable water conditions continued up to and through the spring run-off, but a period of low precipitation created a serious water shortage in the system during the summer months. Early fall rains, however, relieved the situation and water conditions at the close of the year were better than normal.

The Hanover frequency-changer station was in constant operation throughout the year, transferring power and energy between the Niagara and Georgian Bay systems. During the summer period, transfers from the Niagara system were maintained at the full overload capacity of the Hanover frequency-changer station in order to conserve water storage reserves in the Georgian Bay system. On June 28, Mount Forest frequency-changer station was placed in operation to further assist in the water conservation programme. This station was operated continuously until September 27, when its assistance was no longer required. During the year, a total transfer of 43,982,000 kilowatt-hours was made to meet the primary needs of the Georgian Bay

system. Over the Georgian Bay system's off-peak periods, a surplus of 4,944,200 kilowatt-hours was fed back to the Niagara system, which system had a market for surplus energy.

Assistance was given the Orillia Water, Light and Power Commission to the extent of 84,066 kilowatt-hours from September 29 to the end of the Commission's year, due to low water conditions at the Gull River and Swift Rapids plants.

On October 11 the first unit was placed on commercial load at the newly constructed Big Eddy generating station near Bala. This unit has a capacity of about 5,000 horsepower, and a second unit of the same capacity is being added.

Transmission lines and transformer stations, with few exceptions, operated satisfactorily throughout the year. Of the few failures that occurred, the most serious was the breaking of 118 transmission line poles during a very high wind which was general over the entire system on November 11 and 12, 1940.

#### GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1940-1941

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Alliston.....	404.5	402.4	2.1	.....
Arthur.....	183.8	187.0	.....	3.2
Bala.....	354.4	370.0	.....	15.6
Barrie.....	4,156.0	4,305.6	.....	149.6
Beaverton.....	332.1	339.0	.....	6.9
Beeton.....	157.1	142.3	14.8	.....
Bradford.....	240.8	248.6	.....	7.8
Brechin.....	96.3	90.3	6.0	.....
Cannington.....	225.3	221.1	4.2	.....
Carlsruhe.....	5.0	5.0	.....	.....
Chatsworth.....	88.3	103.2	.....	14.9
Chesley.....	636.1	671.1	.....	35.0
Coldwater.....	144.1	152.5	.....	8.4
Collingwood.....	2,090.3	2,565.2	.....	474.9
Cookstown.....	89.6	87.0	2.6	.....
Creemore.....	170.4	160.3	10.1	.....
Dundalk.....	290.9	286.0	4.9	.....
Durham.....	427.0	469.0	.....	42.0
Elmvale.....	192.2	204.7	.....	12.5
Elmwood.....	88.2	78.9	9.3	.....
Flesherton.....	91.6	84.8	6.8	.....
Grand Valley.....	148.7	146.6	2.1	.....
Gravenhurst.....	1,254.5	1,339.5	.....	85.0
Hanover.....	1,352.1	1,434.8	.....	82.7
Hepworth.....	32.8	32.2	0.6	.....
Holstein.....	25.2	24.6	0.6	.....
Huntsville.....	1,276.4	1,325.7	.....	49.3
Kincardine.....	818.1	754.7	63.4	.....
Kirkfield.....	26.0	28.0	.....	2.0
Lucknow.....	308.4	345.8	.....	37.4
MacTier.....	157.0	146.0	11.0	.....



## GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1940-1941—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Markdale . . . . .	202.5	203.6	.....	1.1
Meaford . . . . .	701.6	761.1	.....	59.5
Midland . . . . .	4,040.6	4,197.1	.....	156.5
Mildmay . . . . .	143.8	164.3	.....	20.5
Mount Forest . . . . .	624.9	579.5	45.4	.....
Neustadt . . . . .	45.5	44.6	0.9	.....
Orangeville . . . . .	719.0	795.9	.....	76.9
Owen Sound . . . . .	5,249.6	5,209.4	40.2	.....
Paisley . . . . .	158.4	157.5	0.9	.....
Penetanguishene . . . . .	925.5	1,002.0	.....	76.5
Port Carling . . . . .	300.0	298.9	1.1	.....
Port Elgin . . . . .	529.1	590.5	.....	61.4
Port McNicoll . . . . .	104.7	99.6	5.1	.....
Port Perry . . . . .	302.7	340.7	.....	38.0
Priceville . . . . .	10.0	10.0	.....	.....
Ripley . . . . .	94.8	106.8	.....	12.0
Rosseau . . . . .	55.3	62.9	.....	7.6
Shelburne . . . . .	307.2	271.0	36.2	.....
Southampton . . . . .	494.5	611.7	.....	117.2
Stayner . . . . .	322.2	340.4	.....	18.2
Sunderland . . . . .	91.1	90.6	0.5	.....
Tara . . . . .	125.7	122.1	3.6	.....
Teeswater . . . . .	184.2	170.0	14.2	.....
Thornton . . . . .	39.4	36.8	2.6	.....
Tottenham . . . . .	87.2	122.2	.....	35.0
Uxbridge . . . . .	368.1	386.3	.....	18.2
Victoria Harbour . . . . .	91.7	121.6	.....	29.9
Walkerton . . . . .	887.3	975.5	.....	88.2
Waubauskene . . . . .	167.6	145.2	22.4	.....
Warton . . . . .	396.5	363.8	32.7	.....
Windermere . . . . .	96.2	96.4	.....	0.2
Wingham . . . . .	616.7	701.8	.....	85.1
Woodville . . . . .	103.4	105.8	.....	2.4

## GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941

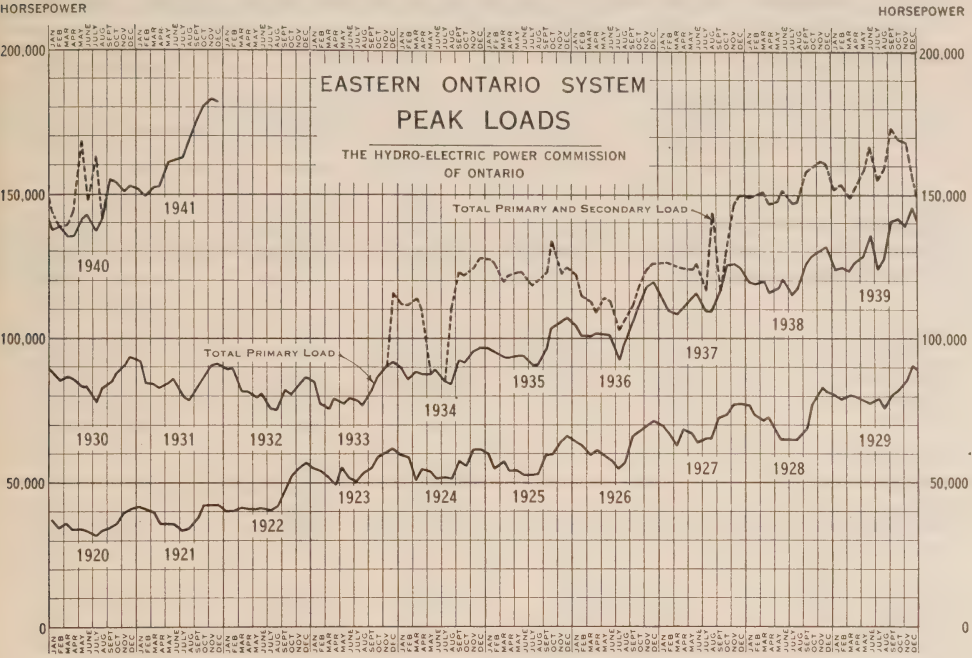
Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Alliston . . . . .	208.8	229.5	.....	20.7
Arthur . . . . .	65.8	80.4	.....	14.6
Bala . . . . .	613.8	734.3	.....	120.5
Barrie . . . . .	837.9	882.7	.....	44.8
Baysville . . . . .	252.5	254.7	.....	2.2
Beaumaris . . . . .	647.9	720.9	.....	73.0
Beaverton . . . . .	498.7	516.3	.....	17.6
Beeton . . . . .	5.0	8.0	.....	3.0
Bradford . . . . .	145.6	152.1	.....	6.5
Bruce . . . . .	439.8	465.4	.....	25.6

**GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941**  
—Concluded

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Buckskin .....	36.0	34.0	2.0	.....
Cannington .....	126.1	130.2	.....	4.1
Chatsworth .....	30.9	32.5	.....	1.6
Cookstown .....	5.0	7.5	.....	2.5
Creemore .....	184.8	255.9	.....	71.1
Dundalk .....	46.8	59.4	.....	12.6
Elmvale .....	132.0	136.0	.....	4.0
Flesherton .....	68.3	68.3	.....	.....
Gravenhurst .....	123.9	149.4	.....	25.5
Hawkestone .....	300.3	301.6	.....	1.3
Holstein .....	24.4	29.2	.....	4.8
Huntsville .....	369.0	452.1	.....	83.1
Innisfil .....	1,054.4	1,117.7	.....	63.3
Kirkfield .....	54.5	64.8	.....	10.3
Lucknow .....	25.9	28.2	.....	2.3
Mariposa .....	286.9	309.0	.....	22.1
Markdale .....	76.2	67.9	8.3	.....
Meaford .....	191.7	194.6	.....	2.9
Medonte .....	319.5	342.9	.....	23.4
Midland .....	611.6	706.6	.....	95.0
Mount Forest .....	28.8	30.5	.....	1.7
Neustadt .....	96.2	119.4	.....	23.2
Nottawasaga .....	74.9	71.8	3.1	.....
Orangeville .....	215.6	179.8	35.8	.....
Owen Sound .....	163.6	209.7	.....	46.1
Port Perry .....	301.9	328.0	.....	26.1
Ripley .....	176.2	206.8	.....	30.6
Sauble .....	196.9	278.1	.....	81.2
Shelburne .....	76.3	96.9	.....	20.6
South Falls .....	30.0	27.0	3.0	.....
Sparrow Lake .....	436.7	399.2	37.5	.....
Tara .....	172.8	186.5	.....	13.7
Thornton .....	36.5	38.0	.....	1.5
Tottenham .....	32.5	34.5	.....	2.0
Utterson .....	264.9	279.1	.....	14.2
Uxbridge .....	199.3	185.0	14.3	.....
Wasaga Beach .....	1,109.7	1,183.0	.....	73.3
Wroxeter .....	277.4	290.9	.....	13.5

**EASTERN ONTARIO SYSTEM**

The substantial increase in the primary load recorded for the Eastern Ontario system the previous year, continued at an increasing rate through the year just past, rising to 180,650 horsepower in October. This was the largest load ever carried on this system and exceeded the October peak of the previous year by 17.1 per cent. The average primary load, when compared



with the previous year, was 18 per cent greater. From May 24 to the end of September, a small amount of seasonal power was supplied to the Aluminum Company of Canada at Kingston for electric steam boiler operation.

The growth in primary load this year on the Eastern Ontario system surpassed the resources of the system, and such shortages as occurred in power and energy were supplied by the Niagara system, either through the frequency-changer station at Chats Falls or by arrangement with the Quebec power companies for delivery of 60-cycle power to the Eastern Ontario system in lieu of 25-cycle power to the Niagara system under the 25-cycle power agreements. Over certain off-peak periods, especially during the first half of the year, surplus energy was available on the Eastern Ontario system and this was transferred to the Niagara system for sale in its markets. Thus the two systems have been operated to the mutual advantage of both.

Stream flow conditions on the rivers in the Eastern Ontario system, although subnormal during the late summer and early fall months, were on the average for the year above normal. Compared with the previous year, the output of the Commission-owned generating stations in the system was 12 per cent greater. Due to increasing demands for power, the standby generating stations at Young's Point, Carleton Place and Douro were placed in full-time operation in September. Ice conditions caused no serious trouble at the generating stations during the winter.

Operation of the transmission lines and transformer stations was satisfactory. Few failures occurred and service to all customers was maintained at a high level throughout the year. A number of new stations was added and the capacity of many of the existing stations was increased to meet the rapid growth in load.



## EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1940-1941

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Alexandria	241.2	262.3		21.1
Apple Hill	53.1	51.3	1.8	
Arnprior	1,079.1	1,124.6		45.5
Athens	133.8	154.4		20.6
Bath	47.6	49.7		2.1
Belleville	6,655.3	7,052.7		397.4
Bloomfield	145.6	153.3		7.7
Bowmanville	2,722.1	2,968.8		246.7
Braeside	281.9	381.4		99.5
Brighton	392.7	416.7		24.0
Brockville	4,443.8	4,802.9		359.1
Cardinal	364.5	354.7	9.8	
Carleton Place	1,931.2	1,989.1		57.9
Chesterville	301.9	326.5		24.6
Cobden	83.6	92.8		9.2
Cobourg	2,357.2	2,383.6		26.4
Colborne	231.4	241.8		10.4
Deseronto	165.5	191.8		26.3
Finch	116.5	112.4	4.1	
Frankford	158.6	167.2		8.6
Hastings	116.9	118.6		1.7
Havelock	176.0	156.0	20.0	
Iroquois	301.2	309.6		8.4
Kemptville	378.7	441.7		63.0
Kingston	11,023.1	13,779.3		2,756.2
Lakefield	313.0	357.9		44.9
Lanark	94.0	103.1		9.1
Lancaster	54.7	56.1		1.4
Lindsay	3,386.9	3,810.6		423.7
Madoc	217.7	210.5	7.2	
Marmora	152.0	155.2		3.2
Martintown	38.1	42.9		4.8
Maxville	113.4	119.6		6.2
Millbrook	93.3	96.7		3.4
Morrisburg	210.9	328.3		117.4
Napanee	1,295.8	1,539.0		243.2
Newburgh	46.9	53.3		6.4
Newcastle	218.0	223.3		5.3
Norwood	178.4	168.7	9.7	
Omeme	225.7	248.4		22.7
Orono	108.0	102.3	5.7	
Oshawa	18,786.2	20,053.3		1,267.1
Ottawa	33,585.8	35,107.2		1,521.4
Perth	1,633.4	1,787.5		154.1
Peterborough	11,143.5	12,773.7		1,630.2
Picton	1,198.9	1,277.2		78.3
Port Hope	2,430.1	2,500.7		70.6
Prescott	1,203.7	1,272.8		69.1
Richmond	74.1	74.8		.7
Russell	93.1	76.2	16.9	

EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1940-1941—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Smiths Falls.....	2,555.5	2,833.1		277.6
Stirling.....	320.6	314.7	5.9	
Trenton.....	4,366.2	5,034.8		668.6
Tweed.....	343.5	266.2	77.3	
Warkworth.....	86.5	86.1	.4	
Wellington.....	230.2	244.0		13.8
Westport.....	109.6	105.9	3.7	
Whitby.....	1,387.7	1,548.8		161.1
Williamsburgh.....	149.1	149.7		.6
Winchester.....	378.5	381.4		2.9

EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941

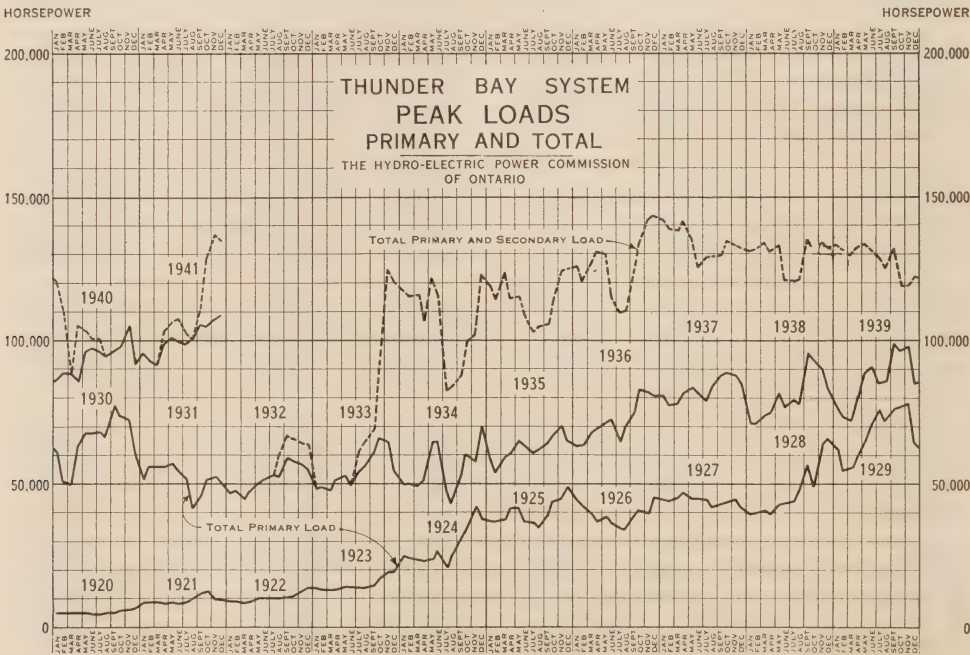
Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Alexandria.....	125.7	143.2		17.5
Arnprior.....	554.8	526.5	28.3	
Belleville.....	676.5	848.1		171.6
Bowmanville.....	172.3	178.9		6.6
Brighton.....	32.8	34.4		1.6
Brockville.....	670.2	696.6		26.4
Calabogie.....	69.7	48.3	21.4	
Campbellford.....	152.6	148.7	3.9	
Carleton Place.....	86.0	159.1		73.1
Chesterville.....	510.9	595.4		84.5
Cobourg.....	582.3	622.5		40.2
Colborne.....	192.5	203.6		11.1
Cornwall.....	37.9	46.3		8.4
Fenelon Falls.....	478.1	635.3		157.2
Iroquois.....	361.3	422.9		61.6
Kemptville.....	48.6	43.3	5.3	
Kingston.....	1,225.1	1,620.6		395.5
Lakefield.....	327.1	333.9		6.8
Madoc.....	76.3	93.0		16.7
Marmora.....	16.0	10.0	6.0	
Martintown.....	208.2	218.0		9.8
Maxville.....	541.0	610.7		69.7
Millbrook.....	120.0	124.5		4.5
Minden.....	190.3	201.0		10.7
Napanee.....	546.0	590.4		44.4
Nepean.....	1,748.8	1,857.4		108.6
Newcastle.....	146.3	133.5	12.8	
Norwood.....	78.2	91.3		13.1
Omeme.....	35.0	40.0		5.0
Oshawa.....	1,464.5	1,821.2		356.7

EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941  
—Concluded

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Pembroke.....	654.4	1,003.7	.....	349.3
Perth.....	216.5	239.0	.....	22.5
Peterborough.....	967.9	1,025.6	.....	57.7
Prescott.....	269.5	294.8	.....	25.3
Renfrew.....	146.1	185.0	.....	38.9
Smiths Falls.....	435.5	405.5	30.0	.....
Stirling.....	169.0	213.9	.....	44.9
Sulphide.....	131.6	138.8	.....	7.2
Trenton.....	268.5	282.8	.....	14.3
Warkworth.....	44.9	57.2	.....	12.3
Wellington.....	837.0	1,191.9	.....	354.9
Williamsburgh.....	109.0	106.6	2.4	.....

THUNDER BAY SYSTEM

The primary load of the Thunder Bay system rose from 97,855 horsepower in the previous year to 105,563 horsepower, an increase of 7.9 per cent. The average primary load compared with the previous year was 6.4 per cent greater. Because of subnormal inflow to lake Nipigon, the output of the





generating stations on the Nipigon river was limited to primary power requirements until October 1941 when, as a result of a rapid rise in the elevation of lake Nipigon, water became available for the production of energy for electric steam boiler operation at the paper companies served by this system.

The precipitation in the watershed supplying the Nipigon river plants was 29.23 inches, being above average for this district. The elevation of lake Nipigon on October 31, 1941, was 852.84 as compared with 849.33 the same date in 1940.

Arrangements similar to those existing in previous years were continued in 1941 whereby the paper companies under the control of the Abitibi Power and Paper Company were permitted to transfer power for electric steam boiler operation from the Kaministiquia Power Company, a subsidiary of the Abitibi Power and Paper Company, through the Commission's transformers and over the Commission's transmission circuits. However, due to the unfavorable water conditions in the Nipigon lake area, parallel operation with the Kaministiquia Power Company was intermittent until October when improvement in water conditions made continuous transfer of power possible.

No serious failure to any equipment in this system occurred and service to all customers was well maintained throughout the year.

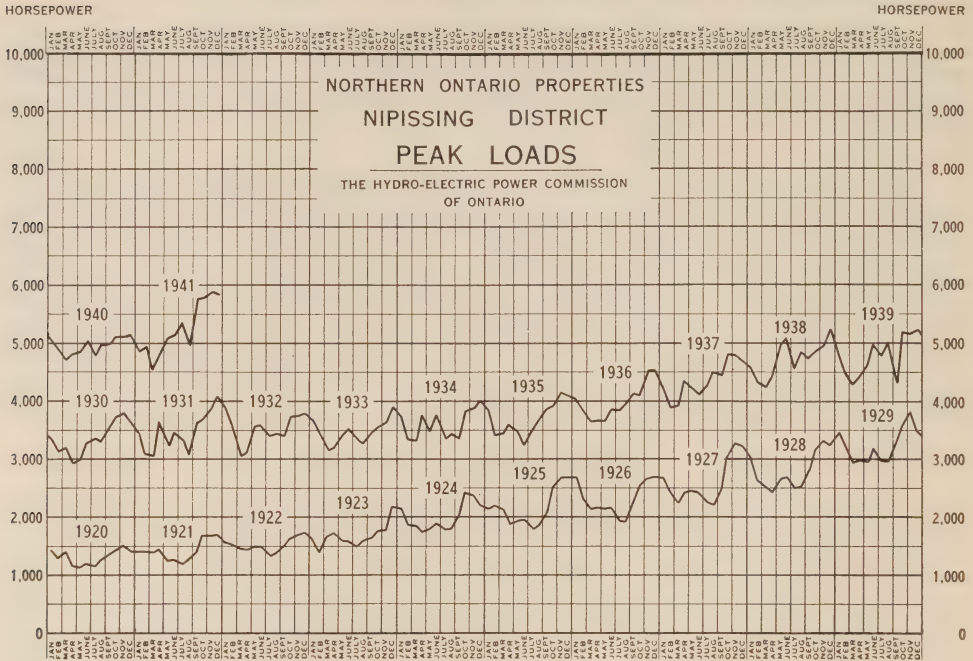
THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES—1940-1941

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Beardmore.....	137.3	122.9	14.4	.....
Fort William.....	15,194.3	16,438.3	.....	1,244.0
Geraldton Township.....	690.3	719.4	.....	29.1
Nipigon Township—Voted Area.....	201.7	217.9	.....	16.2
Port Arthur.....	45,384.5	47,133.8	.....	1,749.3

THUNDER BAY SYSTEM—RURAL POWER DISTRICT LOADS—1940-1941

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
Nipigon.....	6.0	6.0	.....	.....
Thunder Bay.....	586.0	685.7	.....	99.7

## NORTHERN ONTARIO PROPERTIES



### Nipissing District

The average load of the Nipissing district was up by 9.7 per cent. The maximum peak load was 5,791 horsepower, exceeding the October peak load of the previous year by 13.1 per cent.

Water conditions in this district averaged about normal. Except during the spring run-off in April and May, water storage and natural river flow were insufficient to generate the total power requirements and it was necessary to transfer power from the Sudbury district.

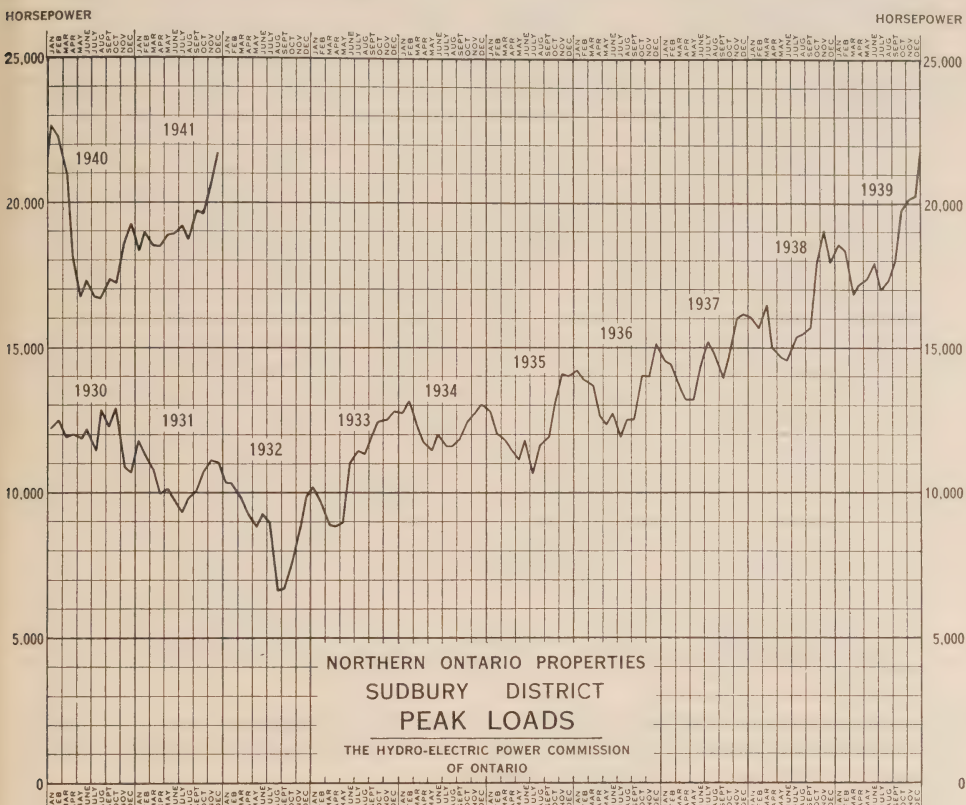
### Manitoulin District

Load growth in the Manitoulin district has exceeded that of any previous year. The peak load rose from 386 horsepower in 1940 to 589 horsepower in September 1941. This large increase resulted chiefly from the incorporation of the load of Little Current previously served by a private power company.

Operating conditions were normal throughout the year. The Manitoulin Pulp Company, from whom power is purchased to supply this district, had to enlarge its plant to provide for the increase in load.

### Sudbury District

In the Sudbury district, the increase in the average load was only 2.8 per cent. This small increase reflects higher than normal load early in 1940



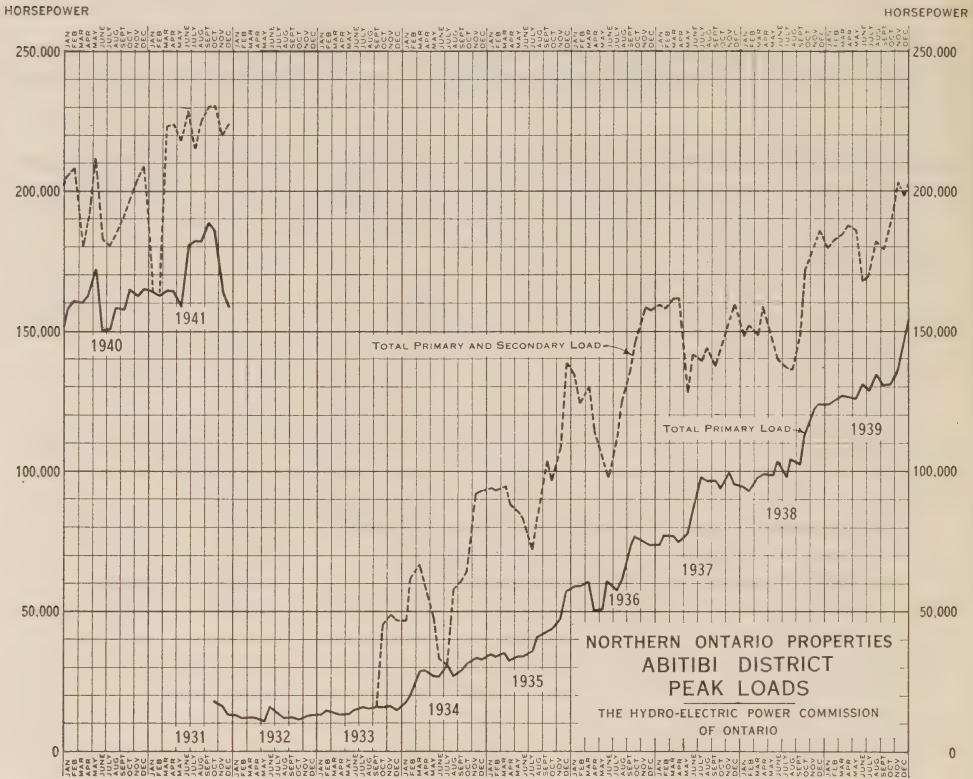
when a substantial block of power was supplied temporarily to the Huronian Company to augment the output of its plants during a period of low river flow. A better indication of load growth in this district is given by the October peak loads which rose from 17,208 horsepower in 1940 to 19,597 horsepower in 1941, an increase of 13.9 per cent.

Water conditions were above normal in the Sudbury district throughout the year and no difficulties were encountered in meeting all load demands and in transferring a substantial amount of energy to the Nipissing district.

### Abitibi District

The phenomenal rate of growth which characterized the primary load of the Abitibi district for several years, slowed down in 1941. Compared with the previous year, the average primary load was 8.4 per cent greater. In the three preceding years the growth averaged about 25 per cent annually. The supply of surplus power for electric steam boiler operation at the paper mills of the Abitibi Power and Paper Company was restricted during the first half of the year. An interchange arrangement with the above company was used to advantage in the conservation of water during this period.





The spring run-off was adequate to fill all storage basins and, with heavy rains during the latter part of the year, more water was available than could be used at the Canyon generating station.

Operation of the Canyon generating station and all transmission lines and transformer stations was in general satisfactory throughout the year.

### Patricia District

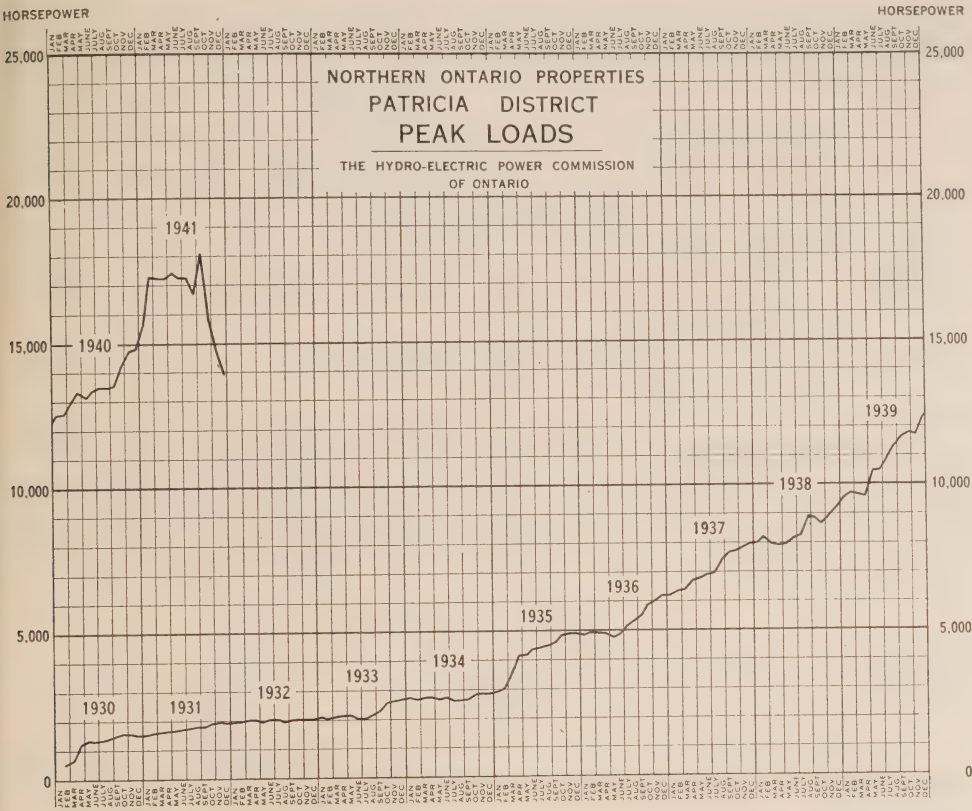
The average load of the Patricia district\* exceeded that of the previous year by 24.5 per cent. The peak load reached a maximum in July of 18,070 horsepower, being 27.2 per cent greater than in the previous year.

From the commencement of the year to February 1, the use of water at the Rat Rapids generating station was restricted in order to maintain levels in lake St. Joseph. Heavy precipitation in September resulted in flows at Ear Falls generating station that caused high tail water and consequently reduced the output at this plant. Otherwise water conditions in this district were satisfactory.

On August 6, lightning entered No. 1 generating station at Rat Rapids development, causing a fire which completely destroyed this plant.

Initial delivery of at-will power was made to the Dryden Paper Company on January 30 over a 21-mile, 44,000-volt line constructed by the customer.

\*Previously known as Patricia-St. Joseph district.



NORTHERN ONTARIO PROPERTIES—LOADS OF MUNICIPALITIES—1940-1941

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
NIPISSING DISTRICT				
Callander .....	154.2	138.5	15.7	.....
Nipissing .....	3.0	3.0	.....	.....
North Bay .....	4,133.2	4,664.1	.....	530.9
Powassan .....	148.0	157.1	.....	9.1
SUDBURY DISTRICT				
Capreol .....	247.2	256.3	.....	9.1
Sudbury .....	9,276.7	10,030.6	.....	753.9
ABITIBI DISTRICT				
Hislop Townshite .....	59.1	63.3	.....	4.2
Kearns Townsite .....	108.8	147.2	.....	38.4
King Kirkland Townsite .....	46.8	39.1	7.7	.....
Matachewan Townsite .....	226.5	246.4	.....	19.9
Mooretown .....	50.9	49.5	1.4	.....
Ramore-Matheson .....	137.5	139.0	.....	1.5
PATRICIA DISTRICT				
Hudson .....	91.4	93.3	.....	1.9
Red Lake Distribution .....	161.7	209.4	.....	47.7
Sioux Lookout .....	318.5	352.5	.....	34.0
Cottage Cove Townsite .....	21.8	38.1	.....	16.3

## NORTHERN ONTARIO PROPERTIES—RURAL POWER DISTRICT LOADS—1940-1941

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1940	July to Dec., 1941	Decrease	Increase
NIPISSING DISTRICT				
North Bay .....	440.1	580.0	.....	139.9
Powassan .....	77.0	87.9	.....	10.9
MANITOULIN DISTRICT				
Manitoulin .....	386.0	589.0	.....	203.0
SUDBURY DISTRICT				
Sudbury .....	443.7	639.5	.....	195.8
ABITIBI DISTRICT				
Connaught .....	138.5	332.2	.....	193.7

## MISCELLANEOUS

## Forestry

The Forestry division continued its regular transmission and rural-line clearing operations to protect the Commission's plant and service from tree interference.

The year's maintenance operations involved treatment of 90,800 trees and 3,111 pole spans of underbrush spread over 2,365 miles of power transmission, telephone and rural distribution lines.

Tree clearance was also obtained for approximately 29 miles of line in connection with the construction of new transmission and rural lines and the rehabilitation of certain existing lines. This work necessitated the treatment of 1,122 trees.

Line clearing operations were performed for fourteen municipal Hydro systems in the Niagara, Georgian Bay and Eastern Ontario systems. This work involved treatment of 3,059 trees spread over 38 miles of local primary and secondary lines.



## SECTION III

### MUNICIPAL WORK

THE Commission acts in an advisory capacity to the municipalities with which it has contracts, and assists municipal officials to purchase, construct or extend distribution systems. As provided under *The Power Commission Act*, all rate adjustments are approved by the Commission, therefore, a study of the operating conditions of all utilities is made annually and adjustments recommended.

In rural power districts, the Commission on behalf of the township corporations operates the rural power systems and distributes electrical energy to the customers of the respective corporations in all such rural power districts.

### NIAGARA SYSTEM

Under the terms of contracts entered into during the fiscal year 1938, the Commission took delivery during the year of the following additional amounts of power from:

	<i>Horsepower</i>
Beauharnois Light, Heat and Power Company and Coteau Rapids Transmission Company Limited.....	50,000
Maclaren-Quebec Power Company and The James Maclaren Company Limited.....	20,000
Total additional power taken.....	70,000

A further agreement was completed with the Maclaren-Quebec Power Company for the delivery of 57,500 horsepower for the duration of the war.....	57,500
	127,500

The total average load sold to all customers, including war industries, showed an increase of 21.2 per cent. Loads in urban municipalities increased by 8.5 per cent and in rural power districts by 14.5 per cent.

**Engineering Assistance to Municipalities**

General engineering assistance was given to nearly all municipalities of the Niagara system respecting the operation and management of their local Hydro utilities.

Certain municipalities received special engineering advice and assistance respecting matters which are more fully referred to below:

**Brantford**—The changeover from 60- to 25-cycle supply was completed. Substation capacities also were increased.

**Burford**—The capacity of the distribution system was increased.

**East York Township**—Primary feeders from a third distributing station were provided. These local stations now supply about two-thirds of the total power demand, the Toronto Hydro-Electric System continuing to supply the balance pending the installation of two additional stations when the entire requirements of East York township will be supplied from local stations.

**Elmira**—Three 200-kv-a, 2,200/550-volt power transformers were purchased and installed to supply a new industrial load.

**Georgetown**—A building on the main street was purchased and remodelled for use as a local Commission office.

**Grimsby**—Remodelling of the distribution system for supply of 25-cycle power was completed. Information has also been supplied regarding the purchase of the local system by the municipality.

**Kitchener**—The new unit-type substations purchased last year were installed and will be in operation early in 1942.

**London**—A new 13,200-volt line was constructed to supply a new substation of 500-kv-a capacity which will supply loads south of the river.

Two additional 300-kv-a, 13,200-volt underground substations were installed to give service at 120/208 volts to the downtown network.

The second water-heater current-carrier control system was installed to operate from the Central Avenue substation. This will now take 500 horsepower off peak and have an ultimate control capacity of 1,000 horsepower.

**London Township**—A pilot-control system was installed at a cost of approximately \$1,600. This will control 113 water heaters.

**Merritton**—Increased transformer capacity was arranged for to supply war loads.

**Mimico**—Arrangements were made for an improved power supply and additional primary circuits.

**New Toronto**—Additional primary feeders to supply increased power demands were provided, a portion of these will be placed underground.

**Niagara Falls**—Two additional substations were constructed to improve the capacity of the distribution system.

**Niagara-on-the-Lake**—Plans were submitted for the remodelling of the distribution system and increasing the substation capacity.

**North York Township**—Owing to the rapid growth in both domestic and industrial demands additional primary circuits were provided.

**Paris**—Additions were made to the substation.

**St. Catharines**—Negotiations were completed for the purchase by the St. Catharines Public Utilities Commission of the Lincoln Electric System.

To take care of increased industrial loads a new substation and increased system capacity were provided.

**St. Marys**—The capacity of the municipal substation was increased by the installation of an additional 750-kv-a, three-phase, 13,200/2,220-volt transformer, and three new 2,200-volt oil switches were installed on the switchboard.

**St. Thomas**—A new 13-200-volt feeder line and a new substation of 600 kv-a capacity were installed to give service to an industrial firm.

**Sarnia**—Additional capacity was provided by the installation of one 3,000-kv-a transformer in substation No. 2.

**Stratford**—One and one-half miles of three-phase, 26,400-volt armoured cable were installed by the local Commission, between the Commission's high-tension station and the municipal substation.

A 1,500-kv-a, three-phase transformer was purchased, also additional substation equipment.

**Streetsville**—Arrangements were made for increasing line and transformer capacity to provide for the growing commercial and domestic lighting demands.

**Tilbury**—Work was completed on a new Hydro office and stores building situated on the main business street of the town. Approval for an expenditure of \$10,000 of the surplus funds of the local Commission was granted early in the year.

**Tillsonburg**—The low-tension portion of the local municipal substation was completely overhauled and new breakers and switches installed.

**Welland**—Operating conditions in No. 1 station and in the distribution system were improved in order to supply war loads.

**Weston**—Power supply was changed from 13,200 to 26,400 volts and additional station capacity was provided for some of the larger power users.

**Windsor**—To improve the service to consumers and to provide capacity for increased load for the manufacture of war munitions, work was commenced on two new substations; one in the west, having a capacity of 6,000 kv-a, and the other in the easterly part of the city, having a capacity of 9,000 kv-a.

**Woodstock**—The voltage was changed from 13,200 to 26,400 volts. A new 750-kv-a, 26,400-volt, step-down station was installed to serve a large industrial firm.



**York Township**—The management of the distribution system was taken over from the Toronto Hydro-Electric System as of January 1, 1941, and assumed by the Township Council. A staff had been organized for this purpose and housed temporarily, pending the construction of a new office building. Some assistance was given in establishing this organization and arranging for power supply to the larger users.

### GEORGIAN BAY SYSTEM

The new power developments, at Big Eddy, on the Muskoka river, with an installed capacity of 10,000 horsepower, was placed in operation at the beginning of the year. Due to load increase on the system and to low precipitation and resultant restricted stream flow throughout the district affecting the output of the other generating plants, the full capacity of this additional source of supply was taken up immediately.

The total average load sold to all customers, including war industries, showed an increase of 24.9 per cent. Loads in urban municipalities increased by 9.3 per cent and rural power districts by 11 per cent.

General engineering assistance was given to all urban municipalities of the Georgian Bay system respecting the operation and management of their local Hydro utilities. Certain municipalities received special assistance respecting matters briefly mentioned below:

**Creemore**—Plans were prepared, submitted and approved, and funds appropriated covering a complete rehabilitation of the local distribution system.

**Grand Valley**—The local distribution system was extended to serve a large industrial consumer. The controls for the street-lighting system were re-arranged.

**Thornton**—A complete rehabilitation of the local distribution system was made.

### EASTERN ONTARIO SYSTEM

The rapid increase in load growth that began in 1940, chiefly on account of industrial requirements for the manufacture of munitions, continued throughout 1941.

The total average load sold to all customers, including war industries, increased 14.4 per cent. Loads in urban municipalities increased 9.3 per cent and in rural power districts by 22.5 per cent.

All of the available power resources of the Eastern Ontario system were utilized to their full capacity to meet the requirements of this system's customers, and throughout the year an additional supply was obtained from the Niagara system through the frequency-changer at Chats Falls. The full capacity of the new generating plant, now under construction at Barrett Chute will be required when the plant is ready for service. This is expected to be in the summer of 1942.

Engineering assistance was given to municipalities in connection with the operation and management of their local Hydro utilities. Increased transformer installations were needed by many. Certain municipalities received special engineering advice and assistance regarding matters referred to below:

**Kingston**—Plans for a new substation and for changes and additions to the distribution system were made. A new contract was drawn up for power supply to a war industry.

**Lancaster**—Extensive re-construction of the distribution system was undertaken.

**Martintown**—Specifications and estimates were prepared for the re-construction of portions of the distribution system.

**Napanee**—The Public Utilities Commission is installing high-frequency control of flat-rate water heaters throughout the town.

**Oshawa**—Arrangements were made for additional capacity at 4,000 volts in the new transformer station and for duplicate supply lines to a large industry.

**Peterborough**—Increasing war loads have greatly added to the amount of power taken by this municipality and have necessitated large expenditures on the local distribution system. Wartime Housing Limited are constructing a large number of houses for war workers, for which extensive additions to the distribution system were made.

**Smiths Falls**—Improvements were made to the local substation and to the power supply to a war industry.

**Trenton**—The Public Utilities Commission is installing a 750-kv-a substation to serve the eastern portion of the town.

### THUNDER BAY SYSTEM

In the Thunder Bay system large blocks of power are being utilized for munitions and shipbuilding purposes at Port Arthur and Fort William, and although the grain trade has been curtailed, the pulp and paper industry which utilizes about fifty per cent of the system power, has changed from part-time to full-time operation. The net result is a substantial increase in the energy and peak demands on the system.

Due to heavy rainfalls in the Nipigon watershed during the late summer and fall months, stream flow conditions on the Nipigon river improved to such an extent that the Commission was able to resume the sale of surplus power for electric-steam generation at pulp and paper mills, previously curtailed on account of low water conditions, in consequence of which all of the generating equipment at the Nipigon developments was loaded to capacity during the latter portion of the year. Thus, there has been a considerable increase in load sold over the previous year, amounting to 6.9 per cent.

Engineering assistance concerning local operating problems was given to the Port Arthur, Fort William and Nipigon village Commissions, and all the operating mines in the district were visited periodically for the purpose of rendering assistance in power supply problems.

Special assistance was rendered as follows:

**Fort William**—Plans were submitted for changing the local distribution system from 2,300 volts “delta” to 2,300/4,000 volts “Y”, and also concerning the construction of a feeder to serve a large munition plant.

**Nipigon Village**—Rehabilitation of the local distribution system to provide for load growth and better service to consumers, was carried out by the Thunder Bay district rural staff.

### NORTHERN ONTARIO PROPERTIES

The total load sold in the area served by the Northern Ontario Properties was 209,897 horsepower, an increase of 20,124 horsepower or 10.6 per cent over the previous year.

The Northern Ontario Properties is concerned chiefly with the supply of power to mining areas and to communities dependent upon the mines. The cities of North Bay and Sudbury and the towns of Capreol and Sioux Lookout own and operate their own local distribution systems, purchasing power from the Commission at fixed rates.

Engineering assistance concerning power supply problems was given to these cities and towns, and the various mining properties were periodically visited during the year for the same purpose.

#### **Nipissing District**

The load increase in this district over the previous year was 7.2 per cent.

#### **Sudbury District**

The load increase in the Sudbury district was 1.5 per cent, but the city load increased 3 per cent over the previous year.

#### **Abitibi District**

The total load sold in this district was 168,123 horsepower, an increase of 15,698 horsepower or 10.3 per cent over the previous year.

#### **Patricia District**

Due to the closing down of all operations at the Howey and Gold Eagle mines in the Red Lake mining area the load sold in this district was considerably affected. The sale of power to the Dryden Paper Company, however, which was supplied for the first time during the year, together with load increases by various other mines served resulted in an actual increase of 27.3 per cent over the previous year.



## RURAL ELECTRICAL SERVICE IN ONTARIO

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DURING the year 1941, the Commission was unable to undertake large rural extensions, due to the necessity of conserving construction material for war purposes. Near the end of the year most rural construction closed, except where service was required in connection with war industries. However, before these more complete restrictions were made effective, service was given from existing primary lines and short extensions to a substantial number of rural consumers.

The land area of the Province of Ontario extends over a vast territory of 363,282 square miles, of which about 35,700 square miles are occupied for agriculture. The total rural population in the area served by The Hydro-Electric Power Commission, or in adjacent areas within transmission distance of the Commission's power supply, is approximately 1,100,000.

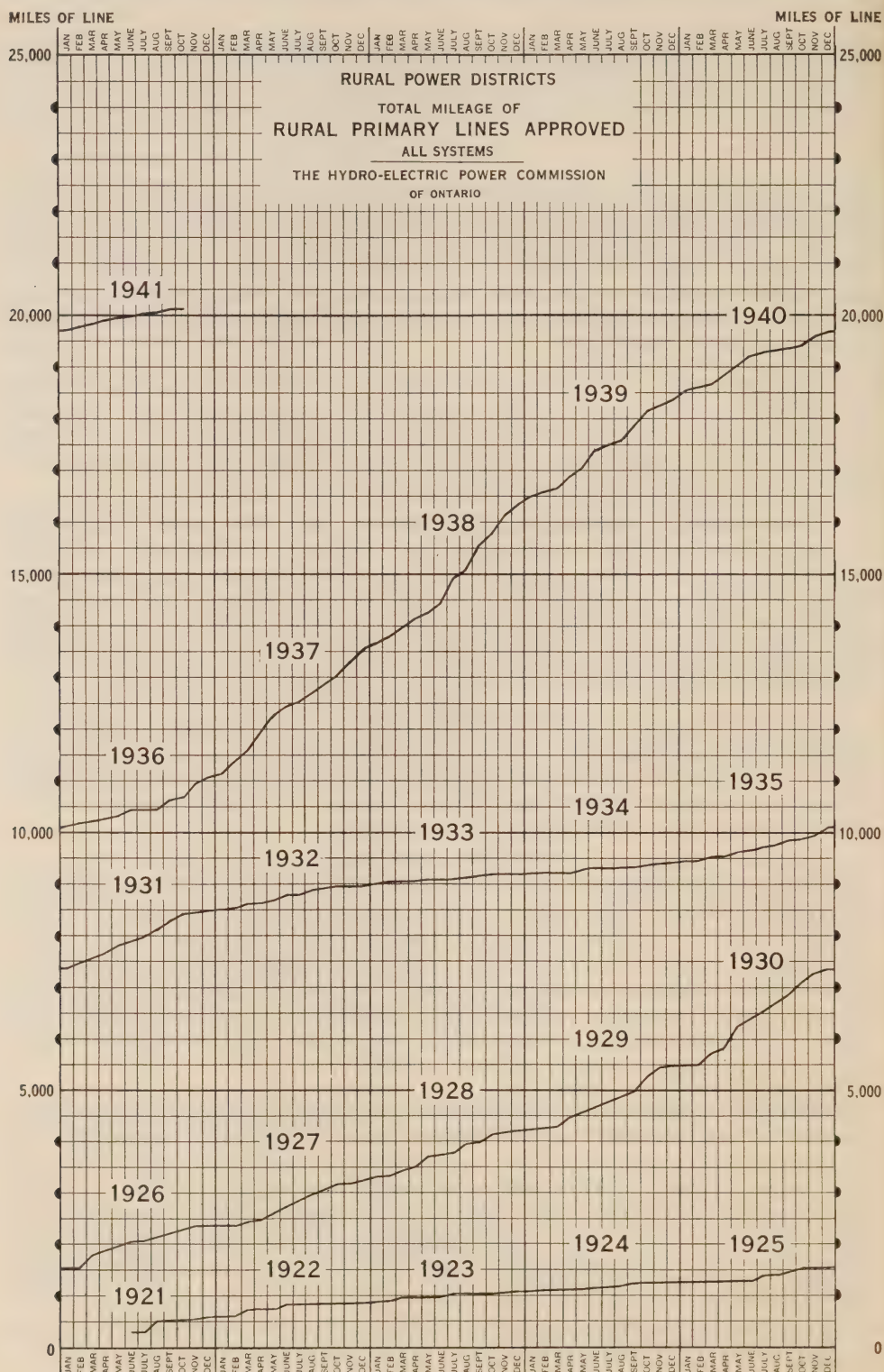
There are 184 operating rural power districts, and power is delivered to approximately 131,500 rural consumers, comprising farms and dwellings in various groups. The consumers are situated in 434 organized townships; 21 unorganized townships and 119 police villages, villages and towns, and are served over a network of rural primary lines which aggregate 20,104 miles. In addition to the 455 townships served by rural power districts, 10 townships are served jointly by rural power districts and voted areas.

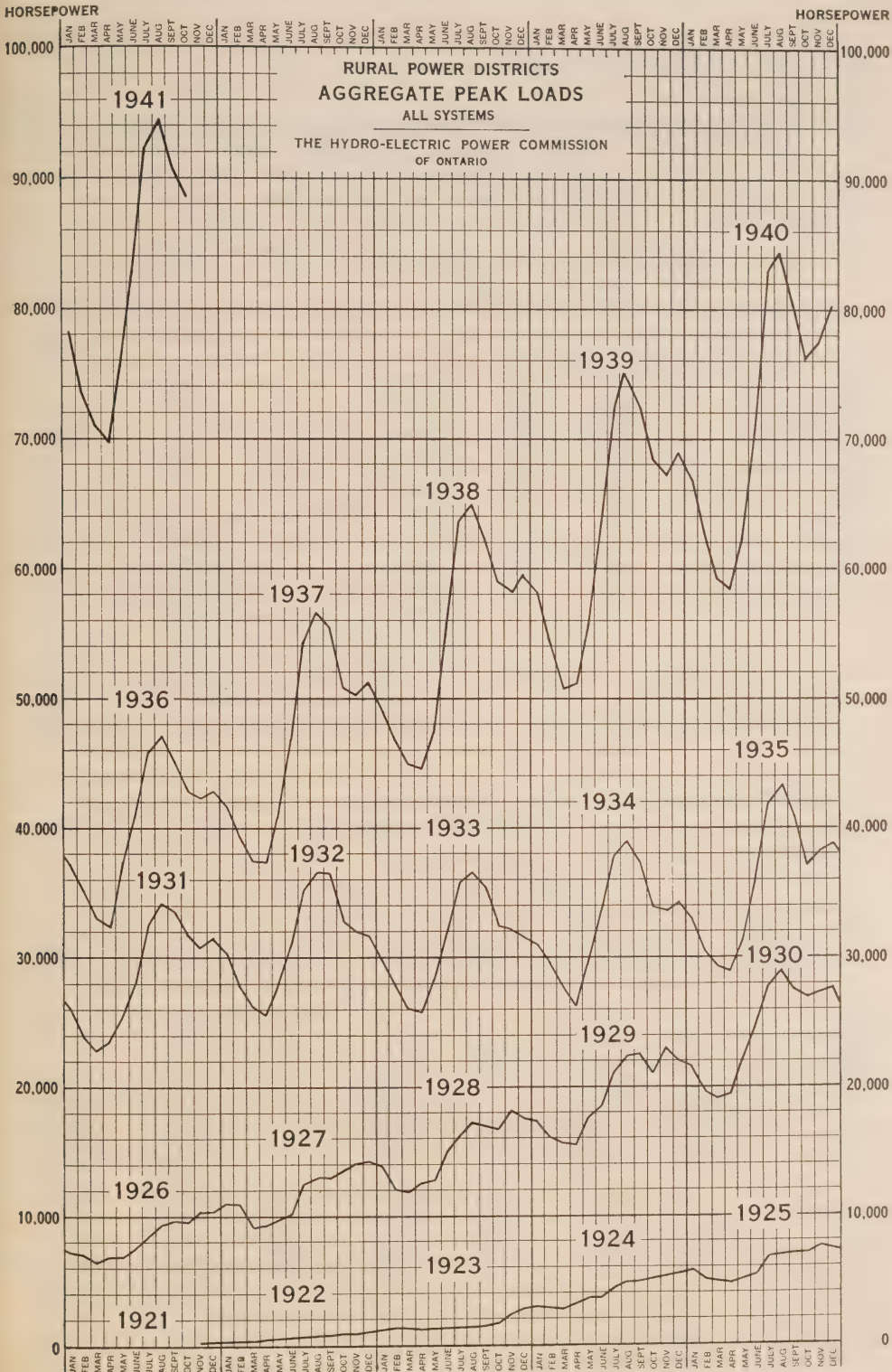
During the past year the mileage of rural line extensions approved for construction in rural power districts in Ontario was 631. In all, 8,502 consumers were added. The aggregate load supplied to all rural Hydro consumers, including war industries in rural areas, in the Province amounted to 81,317 horsepower, an increase of 16.2 per cent over 1940.

Census data indicate that there are approximately 200,000 farms in Ontario, varying from one acre to six hundred acres, or larger. It would be erroneous however, to conclude that hydro-electric service will eventually extend to such a number of farms. Approximately ten per cent of these are very small, and service to them, if available, is supplied by the Commission under rates applicable to non-farm classes. There are also large numbers of farms jointly owned and tenanted, some having no residential buildings on them, and there are also a large number situated in remote districts out of reach of Hydro lines and stations.

During the period that the regulations respecting service to rural consumers required a minimum of three farm contracts per mile of primary line, the Commission made surveys in various parts of the Province and estimated that approximately 75,000 standard or large farms would comprise the probable ultimate total of farms that could be served on this basis. Since that time new regulations have been made permitting service on the basis of two farms per mile, which necessarily has increased the number of additional farms that may be served.

Due to war conditions, it is anticipated, that the construction of rural primary lines during the coming year will be practically discontinued.







Recent estimates of the major electrical appliances used in rural districts are set out in the following table:

ELECTRICAL APPLIANCES IN USE AMONG FARM CONSUMERS IN  
RURAL POWER DISTRICTS

Data for all systems for the year 1940

On the farm			In the farm home		
Item	Number of appliances	Percentage of saturation	Item	Number of appliances	Percentage of saturation
Motor .....	8,754	14.9	Range .....	10,539	17.9
Pump .....	8,170	13.9	Hot plate .....	12,581	21.4
Grain grinder .....	3,426	5.8	Washer .....	34,821	59.3
Milking machine .....	2,041	3.5	Vacuum cleaner .....	9,468	16.1
Milk cooler .....	1,280	2.2	Water heater, flat rate ..	2,647	4.5
Cream separator .....	3,946	6.7	"    "    metered ..	1,283	2.2
Churn .....	616	1.1	Grate .....	629	1.1
Incubator .....	706	1.2	Portable air heater .....	4,626	7.9
Brooder .....	901	1.5	Ironer .....	824	1.4
Hot bed .....	59	0.1	Irons .....	44,775	76.3
Water heater, flat rate ..	146	0.3	Refrigerator .....	9,206	15.7
"    "    metered ..	69	0.1	Toaster .....	31,036	52.9
Miscellaneous .....	577	1.0	Radio .....	44,269	75.4
			Furnace blower .....	1,209	2.1
			Pump .....	9,415	16.0
			Miscellaneous .....	1,822	3.1

The following table makes comparison between rural and urban use:

ELECTRICAL APPLIANCES IN USE IN HOMES OF URBAN AND RURAL  
CONSUMERS—1940

Electrical appliance	R.P.D. Hamlet		R.P.D. Farm		Urban	
	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation
Range .....	6,697	13.2	10,539	17.9	173,207	30.9
Hot plate .....	12,929	25.4	12,581	21.4	101,356	18.1
Washer .....	24,253	47.6	34,821	59.3	276,516	49.3
Vacuum cleaner .....	8,618	16.9	9,468	16.1	190,082	33.9
Water heater, flat rate ..	2,063	4.1	2,647	4.5	65,357	11.6
"    "    metered ..	1,081	2.1	1,283	2.2	61,582	11.0
Grate .....	433	0.9	629	1.1	41,078	7.3
Air heater .....	3,700	7.3	4,626	7.9	166,037	29.6
Ironer .....	817	1.6	824	1.4	17,552	3.1
Iron .....	39,607	77.8	44,775	76.3	516,804	92.2
Refrigerator .....	8,661	17.0	9,206	15.7	119,757	21.3
Toaster .....	27,576	54.1	31,036	52.9	349,132	62.3
Radio .....	37,675	74.0	44,269	75.4	456,323	81.4
Furnace blower .....	1,024	2.0	1,209	2.1	36,075	6.4
Grill .....					59,211	10.5
Pump .....	6,288	12.3	9,415	16.0		
Air conditioner .....					7,057	1.2
Miscellaneous .....	1,839	3.6	1,822	3.1		

Standard Number of Consumers per Mile

Effective May 1, 1938, the Commission received authority by Order-in-Council to construct rural primary lines on a basis of two farms per mile under existing rates. This new basis does not include service to summer cottages, which remains on the previous basis of three farms per mile. The standard number of consumers required per mile varies according to the class of service rendered. For this purpose a unit rating is allocated to each class of consumer. A total of ten units per mile made up by various classes of consumers is required before construction work is undertaken.

The following table shows the number of units for each class of service:

Class of consumer	Service	Units per class applicable to number per mile—May 1, 1938			
		A—Regular rural consumers		B—Summer Cottage consumers	
		Units per contract	Contracts per mile	Units per contract	Contracts per mile
1B	Hamlet lighting . . . . .	2.25	4.4	1.5	6.7
1C	Hamlet lighting (range) . . . . .	3.75	2.7	2.5	4
2A	House lighting . . . . .	1.9	5.3	1.25	8
2B	Small farm service (50 acres or less) . .	3.5	2.9	2.35	4.3
3	Light farm service (over 50 acres) . . .	5	2	3.35	3
4	Medium farm service (single-phase) . .	5	2	3.35	3
5	Medium farm service (three-phase) . . .	5	2	3.35	3
6A	Heavy farm service (single-phase) . . .	5	2	3.35	3
6B	Heavy farm service (three-phase) . . .	5	2	3.35	3
7A	Special farm service (single-phase) . . .	5	2	3.35	3
7B	Special farm service (three-phase) . . .	5	2	3.35	3

Cabin Service

Arrangements were made during 1940 to provide the Commission's rural customers with electric service to cabins at special rates, which call for a service charge of 30 cents gross per cabin per month and five kilowatt-hours extra per cabin per month to be added to the first kilowatt-hour block. The rates are subject to the usual ten per cent discount for prompt payment. This cabin service is supplementary to the regular supply contract and applies to the months of June, July, August and September of each year.

Maximum Consumption Charge

The Commission has found that the maximum economic limit of the first domestic use through the rural power districts of the Province is 6 cents per kilowatt-hour. In all rural power districts the first consumption rate is fixed at a maximum of 6 cents per kilowatt-hour. The second rate has a maximum of 2 cents per kilowatt-hour which applies to all districts.

Low Third Consumption Rate for Long-Hour Users

In 1934 the Commission made available for rural consumers a special energy rate for long-hour users of power. This low rate particularly affects under-earth heating (hot-beds) and heating of water. Where the extra use of energy may be obtained from the present equipment, a third follow-up rate per kilowatt-hour of 0.75 cents gross is given in all districts. The first rate remains unchanged, except that as pointed out above it is subject to a

maximum of 6 cents per kilowatt-hour, and the kilowatt-hours to be charged at the first rate remain unchanged. The number of kilowatt-hours to be charged at the second rate varies both with the class of service and the first kilowatt-hour rate. At the head of the table of rural rates at the end of this section is a schedule which shows the class of service, the number of kilowatt-hours per month to be charged for at the first rate, and the number of kilowatt-hours at the second rate according to the governing first rate. The classification of services for rural power districts is given on page 55.

#### Average Cost to Rural Consumers Decreasing

The remarkable benefits obtained by rural communities in regard to the amount charged to them during the period 1928 to 1940 is indicated in the following tables:

#### HAMLET AND HOUSE LIGHTING SERVICE

##### Classes 1B, 1C and 2A

Year	Annual revenue	Energy consumption	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consumption
	\$	kw-hr.		cents	\$ c.	kw-hr.
1928	530,407	10,702,031	17,585	4.95	2.51	51
1929	663,311	14,424,770	21,219	4.60	2.85	62
1930	757,558	17,815,987	25,013	4.25	2.73	64
1931	974,224	22,127,474	31,176	4.40	2.88	66
1932	1,075,081	24,654,386	33,638	4.36	2.76	63
1933	1,133,369	25,410,470	35,941	4.46	2.70	60
1934	1,149,877	27,768,460	37,466	4.14	2.61	63
1935	1,171,873	30,802,290	39,751	3.80	2.53	66
1936	1,239,011	35,666,241	43,014	3.47	2.49	72
1937	1,331,919	40,935,040	46,785	3.25	2.47	76
1938	1,439,681	47,612,820	52,514	3.02	2.42	80
1939	1,649,496	54,787,544	58,328	3.01	2.36	78
1940	1,812,550	60,839,240	62,973	2.98	2.40	80

\*See footnote to next table.

#### FARM SERVICE

##### Classes 2B, 3, 4, 5, 6A, 6B, 7A and 7B

Year	Annual revenue	Energy consumption	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consumption
	\$	kw-hr.		cents	\$ c.	kw-hr.
1928	569,007	10,969,828	9,309	5.18	4.97	96
1929	777,736	16,022,842	12,605	4.85	5.85	121
1930	863,805	20,507,063	16,011	4.21	5.03	119
1931	1,128,554	25,716,141	20,796	4.39	5.11	116
1932	1,255,482	28,675,400	22,432	4.38	4.84	110
1933	1,309,123	30,062,194	23,283	4.35	4.75	109
1934	1,319,923	33,312,314	23,882	3.96	4.66	118
1935	1,343,222	37,667,453	25,357	3.57	4.55	128
1936	1,385,784	45,447,669	28,198	3.05	4.31	141
1937	1,366,484	54,858,240	35,508	2.49	3.57	144
1938	1,711,789	67,886,882	44,565	2.52	3.56	141
1939	2,090,259	81,613,087	53,240	2.56	3.56	139
1940	2,405,092	93,859,719	58,728	2.56	3.41	133

\*It may be observed that the number of consumers reported here does not agree with those shown in other sections of the Annual Report of the Commission. This is due to the fact that the figures given here represent consumers actually billed, whereas elsewhere in the Report the tables show the number of contracts executed to the end of the fiscal year. In many cases service is not given until the following year.



Rural Loans

Under The Rural Power District Loans Act, 1930, authority was given to The Hydro-Electric Power Commission of Ontario to finance the installation of wiring and the purchase of specified electrical equipment by rural farm consumers.

Owing to the necessity to conserve funds for war purposes this financing was discontinued on October 31, 1940. At that time there were five applications approved, of which four were consummated and one withdrawn by the applicant.

To October 31, 1941, 1,115 loans had been repaid in full, either through the maturing of the loan or by being paid in advance by the borrower.

Attached hereto are statements showing various details of all loans granted.

SUMMARY OF LOANS MADE TO OCTOBER 31, 1941

Fiscal year ending October 31	Applications received	Loans consumated	Amount of loans
			\$
1931.....	126	74	23,542
1932.....	226	187	40,160
1933.....	144	111	20,975
1934.....	107	81	14,855
1935.....	235	169	32,450
1936.....	307	212	40,550
1937.....	230	155	29,615
1938.....	321	240	47,265
1939.....	356	296	61,445
1940.....	284	247	49,215
1941.....	...	4	780
Total.....	2,336	1,776	360,852

LOANS GRANTED TO CONSUMERS IN RURAL POWER DISTRICTS

System	Total to Oct. 31, 1940		Nov. 1, 1940 to Oct. 31, 1941		Total to Oct. 31, 1941	
	No.	Amount	No.	Amount	No.	Amount
		\$		\$		\$
Niagara.....	1,428	279,500	3	580	1,431	280,080
Georgian Bay.....	244	57,837	.....	.....	244	57,837
Eastern Ontario.....	89	20,130	1	200	90	20,330
Thunder Bay.....	5	1,315	.....	.....	5	1,315
Manitoulin R.P.D.....	6	1,290	.....	.....	6	1,290
All systems.....	1,772	360,072	4	780	1,776	360,852

Number of Loans repaid in full, October 31, 1941—1,115. The average for all loans is \$203.18

## DETAILS OF RURAL LOANS GRANTED TO OCTOBER 31, 1941

Items applied for (including installation) in loans which have been made	Totals for 1,772 loans made to October 31, 1940		Totals for 4 loans consummated during year to Oct. 31, 1941		Totals for 1,776 loans made to October 31, 1941	
	Number affected	Cost to consumers	Number affected	Cost to consumers	Number affected	Cost to consumers
		\$ c.		\$ c.		\$ c.
Service.....	595	31,871.53			595	31,871.53
House wiring.....	601	49,114.50			601	49,114.50
Building wiring.....	555	41,815.27			555	41,815.27
Motors.....	54	5,401.71			54	5,401.71
Grain grinders.....	939	193,802.87	3	735.00	942	194,537.87
Pumping systems.....	156	23,620.17			156	23,620.17
Milking machines.....	41	12,013.57			41	12,013.57
Washing machines.....	50	5,055.80			50	5,055.80
Milk coolers.....	100	21,973.67	1	240.00	101	22,213.67
Ranges.....	3	494.50			3	494.50
Cream separators.....	2	180.00			2	180.00
Totals.....		385,343.59		975.00		386,318.59

Respecting the 1,776 loans made to October 31, 1941, the following table shows the number of loans made for each term of years:

One year term.....	46	Six year term.....	10
Two " ".....	147	Seven " ".....	79
Three " ".....	434	Eight " ".....	9
Four " ".....	88	Nine " ".....	0
Five " ".....	925	Ten " ".....	38

## RURAL LINE EXTENSIONS APPROVED BY THE COMMISSION DURING THE YEAR 1941

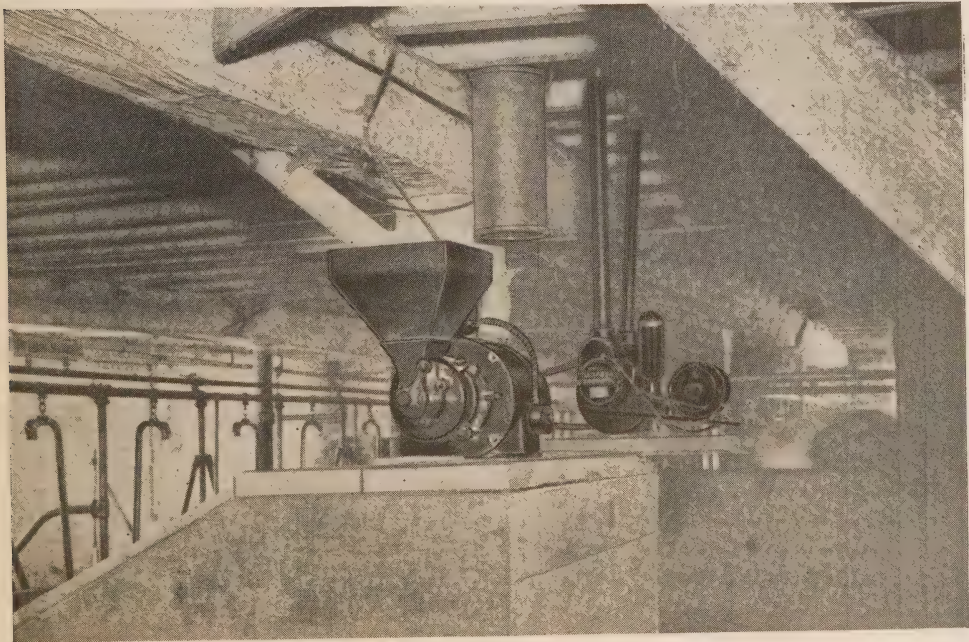
System	Miles of primary line	Net increase in number of consumers			Power supplied in October 1941	Capital approved for extensions	
		Hamlet 1B & 1C	Farm etc.	Total		Total	Provincial grant-in-aid
					h.p.	\$	\$
Niagara.....	308.97	2,257	2,606	4,863	63,025	1,226,026	613,013
Georgian Bay.....	126.93	612	578	1,190	7,319	360,918	177,684
Eastern Ontario.....	151.38	734	904	1,638	16,142	489,426	244,713
Thunder Bay.....	16.43	85	105	190	644	52,058	26,029
Northern Ontario Properties.....	27.17	508	113	621	1,666	135,956	67,978
Totals.....	630.88	4,196	4,306	8,502	88,796	2,264,384	1,129,417

SUMMARY OF RURAL LINE EXTENSIONS

As Approved by the Commission from June 1, 1921 to October 31, 1941  
Constructed or Under Construction

System	Miles of primary line	Number of consumers			Capital approved for extensions	
		Hamlet 1B & 1C	Farm etc.	Total	Total	Provincial grant-in-Aid
					\$ c.	\$ c.
Niagara.....	11,779.23	33,974	47,269	81,243	28,466,502.89	14,209,971.44
Georgian Bay.....	3,063.30	10,323	8,182	18,505	6,648,061.95	3,237,139.49
Eastern Ontario.....	4,637.20	13,060	13,982	27,042	10,648,725.31	5,324,362.65
Thunder Bay.....	292.36	467	863	1,330	610,219.00	305,109.50
Northern Ontario Properties.....	331.88	2,683	721	3,404	897,164.00	448,582.00
Totals.....	*20,103.97	60,507	71,017	131,524	47,270,673.15	23,525,165.08

\*This total includes 81.34 miles of primary line under construction on October 31, 1941 and service to 270 new consumers was not completed until after the end of the fiscal year.



RURAL ELECTRICAL SERVICE IN ONTARIO  
Modern chopper and milker installed in barn on Ontario farm.



## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941

		Rural rates																Prompt payment discount on gross bill
		Class.....   1B   1C   2A   2B   3*   4   5   6A   6B   7A   7B																
		Monthly consumption charged for at first energy rate																
No. of kw-hrs. per month.....		30	30	30	30	30	42	70	70	126	126	210	210			Gross consumption charges per kilowatt-hour		
Rural power district	No. of kw-hrs. where first energy rate is	Monthly consumption charged for at second energy rate																
		120	270	120	270	258	430	430	774	774	1290	1290						
		105	240	105	240	228	380	380	684	684	1140	1140						
		75	180	75	180	168	280	280	504	504	840	840						
		60	150	60	150	138	230	230	414	414	690	690						
	more than 5 cts.	45	120	45	120	108	180	180	324	324	540	540						
Property number	Miles of line	No. of con- sumers	Maximum gross monthly service charge to summer cottages. Where the rates are below these standards, they are indicated in each instance by †.															
			\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	
			1.11	1.56	1.11	1.56	1.11	1.56	1.56	2.50	2.78	2.78	3.33	3.33	3.33	3.33	3.33	3.33
Gross monthly service charge to regular consumers																		
NIAGARA SYSTEM																		
			\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	cents	cents	%	
Acton.....	N5 D1	15 75	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	5	2	10	
Ailsa Craig.....	N4 D7	74.86	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	10	
Alvinston.....	N18 D9	56.40	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	10	
Amherstburg.....	N15 D3	105.89	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.5	2	10	
Aylmer.....	N11 D2	283.60	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4.5	2	10	
Ayr.....	N12 D4	41.47	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10	
Baden.....	N7 D1	148.43	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	1.5	10	
Beamsville.....	N17 D3	262.17	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	1.5	10	
Belle River.....	N15 D2	66.91	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10	
Blenheim.....	N14 D3	103.04	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10	
Bond Lake.....	N35 D3	214.67	1.10	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	1.5	10	
Bothwell.....	N14 D10	137.45	1.11	1.56	1.11	1.11	1.56	1.56	1.56	2.50	2.78	2.78	2.78	3.33	5	2	10	
Brampton.....	N13 D2	93.01	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10	
Brant.....	N12 D1	206.31	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3	1.5	10	
Brigden.....	N18 D8	100.85	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	10	
Burford.....	N12 D2	109.55	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4.5	2	10	
Caledonia.....	N2 D5	212.26	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	10	
Chatham.....	N14 D1	236.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.5	2	10	
Chippawa.....	N1 D7	42.01	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.5	2	10	
Clinton.....	N8 D11	113.04	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	5	2	10	

†Summer cottage rates.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural rates												Gross consumption charges		Prompt payment discount			
	Class	Miles of line	No. of consumers	1B	1C	2A	2B	3*	4	5	6A	6B				7A	7B	
				Gross monthly service charge to regular consumers														
	Property number																	
NIAGARA SYSTEM—Continued																		
				\$	¢	\$	¢	\$	¢	\$	¢	\$	¢	\$	¢	\$	¢	%
Delaware.	N4 D3	204.50	1,016	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Dorchester.	N4 D1	155.19	888	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Dresden.	N14 D12	111.51	394	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Drumbo.	N12 D5	103.65	504	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Dundas.	N2 D1	181.69	1,234	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.25	0.75
Dunville.	N1 D9	96.43	581	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Dutton.	N11 D3	116.48	404	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Elmira.	N7 D3	43.30	171	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Elora.	N5 D4	111.22	475	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Essex.	N15 D7	168.48	929	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75
Exeter.	N4 D6	148.16	1,122	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Forest.	N18 D6	139.04	614	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Galt.	N6 D2	54.88	532	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75
Georgetown.	N5 D2	100.68	443	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Goderich.	N8 D2	81.27	342	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Grantham.	N44 D1	70.44	1,252	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75
Guelph.	N5 D3	173.17	1,005	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75
Haldimand.	N2 D8	230.48	1,089	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75
Harriston.	N8 D5	34.39	99	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Harrow.	N15 D4	86.80	954	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75
Ingersoll.	N10 D3	246.00	950	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5.5	2	0.75
Jordan.	N44 D2	51.21	512	1.06	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75
Keswick.	N35 D5	81.90	1,548	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Kingsville.	N15 D5	195.12	2,234	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75
Listowel.	N8 D8	130.93	580	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75

†See heading to first page of table.

‡Summer cottage rates.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural rates														Gross consumption charges		Prompt payment discount		
	Class.....		Miles of line	No. of consumers	Gross monthly service charge to regular consumers														
	Property number				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	First energy rate†		Second rate‡	Rate for all additional
NIAGARA SYSTEM—Continued																			
London.....	N4 D2	248.22	3,211	\$ 0.90	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	3	1.5	cents 0.75	% 10
Lucan.....	N4 D5	97.09	317	+0.90	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Lynden.....	N2 D2	90.01	418	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Markham.....	N35 D1	180.62	1,615	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Merlin.....	N14 D15	142.77	594	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Milton.....	N13 D3	110.47	550	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Milverton.....	N8 D9	78.37	317	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Mitchell.....	N8 D7	126.07	587	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	4.5	2	0.75	10
Newmarket.....	N35 D4	108.98	710	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Niagara.....	N1 D1	68.95	559	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Norwich.....	N10 D1	174.24	907	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Oil Springs.....	N18 D3	87.26	312	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Palmerston.....	N8 D6	85.52	276	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Petrolia.....	N18 D5	52.05	208	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Preston.....	N6 D1	196.37	1,680	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	3	1.25	0.75	10
Ridgetown.....	N14 D2	137.00	955	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
St. Jacobs.....	N7 D2	104.15	564	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
St. Marys.....	N9 D1	216.88	872	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
St. Thomas.....	N11 D1	243.04	1,740	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Saltfleet.....	N17 D1	109.76	2,619	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Sandwich.....	N15 D1	163.73	3,336	1.00	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	3.5	1.5	0.75	10
Sarnia.....	N18 D4	129.26	2,006	+1.00	1.56	1.11	1.11	1.11	1.56	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75	10
Scarborough.....	N34 D2	114.77	1,591	1.11	1.11	1.11	1.11	1.11	1.11	1.11	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Seaforth.....	N8 D10	34.87	198	1.10	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Simcoe.....	N12 D6	149.45	997	+1.10	1.56	1.11	1.11	1.11	1.56	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10

†See heading to first page of table.

‡Summer cottage rates.



RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural rates										Gross consumption charges		Prompt payment discount				
	Class	Miles of line	No. of consumers	1B	1C	2A	2B	3*	4	5	6A	6B		7A	7B		
				Gross monthly service charge to regular consumers										First energy rate†	Second rate‡		
NIAGARA SYSTEM—Continued																	
				\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	cents	cents	%
Stamford	N44 D4	11.59	310	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75
Stratford	N8 D4	60.94	331	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	5	0.75
Strathroy	N4 D4	167.55	567	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Streetsville	N13 D1	136.17	752	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75
Tavistock	N8 D1	143.04	597	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Thamesville	N14 D11	121.94	524	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Tilbury	N14 D14	152.13	698	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Tilsonburg	N10 D4	205.73	1,243	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75
Wallaceburg	N14 D13	196.84	1,165	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
Walsingham	N12 D7	312.07	1,793	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Walton	N8 D3	106.58	502	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Watdown	N2 D3	97.02	1,326	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2.5	1	0.75
Waterford	N12 D3	149.43	739	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
Watford	N18 D7	82.26	273	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
Welland	N1 D5	367.75	4,112	1.00	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75
				†1.00	1.56	1.11	1.56	1.56									
Woodbridge	N16 D1	290.57	1,670	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75
Woodstock	N10 D2	189.02	1,049	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75

Total, Niagara system.....11,779.23 81,243 \*See footnote on page 55. †Summer cottage rates. ‡See heading to first page of table.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural rates															Gross consumption charges		Prompt payment discount	
	Class.....	Miles of line	No. of consumers	Gross monthly service charge to regular consumers															
				Property number	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B				
					First energy rate†	Second rate‡	Rate for all additional rate‡												
GEORGIAN BAY SYSTEM																			
Alliston.	GS32 D1	71.74	359	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	GE13 D2	46.76	116	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	GB13 D1	108.50	678	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 5	cents 2	cents 0.75	% 10
	G24 D1	109.53	940	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	Baysville.	GM10 D1	75.64	430	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 5	cents 2	cents 0.75
Beaumaris.	GM7 D1	82.29	617	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 5	cents 2	cents 0.75	% 10
	GW2 D1	61.96	611	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 5	cents 2	cents 0.75	% 10
	GS33 D1	4.95	11	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	GS37 D1	64.07	249	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	GE19 D1	227.86	954	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 5	cents 2	cents 0.75	% 10
Bucksmin.	GS24 D1	6.41	44	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	GW3 D1	41.35	172	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	GE3 D1	16.00	65	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	GS35 D1	4.88	10	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 5	cents 2	cents 0.75	% 10
	G17 D2	131.96	472	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 5	cents 2	cents 0.75	% 10
Dundalk.	GE5 D1	39.15	116	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	GS7 D1	65.74	320	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 5.5	cents 2	cents 0.75	% 10
	GE1 D1	39.76	179	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	G34 D1	18.17	107	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 5	cents 2	cents 0.75	% 10
	GS9 D1	91.58	520	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 3	cents 1.5	cents 0.75	% 10
Hawkestone.	GE7 D1	17.76	60	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	GM2 D1	129.34	693	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 5	cents 2	cents 0.75	% 10
	GS31 D1	50.66	1,281	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	GW6 D1	43.82	183	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10
	GE24 D1	9.01	60	\$ 1.11	\$ c. 1.11	\$ 1.11	\$ c. 1.11	\$ 1.56	\$ c. 2.50	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	\$ 2.78	\$ c. 3.33	cents 6	cents 2	cents 0.75	% 10

†See heading to first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural rates																							
	Class	Miles of line	No. of consumers	Gross monthly service charge to regular consumers																				
				1B	1C	2A	2B	3*	4	5	6A	7A	7B	Gross consumption charges										
														First energy rate†	Second energy rate†	Rate for all additional†	Prompt payment discount							
GEORGIAN BAY SYSTEM—Continued																								
Mariposa.....	D1	79.24	467	\$	c.	1.11	\$	c.	1.11	\$	c.	1.56	\$	c.	2.50	\$	c.	2.78	\$	c.	3.33	6	cents	0.75
Markdale.....	D2	30.05	138	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Meaford.....	D1	72.78	381	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Medonte.....	D1	86.12	435	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	5	2	cents	0.75
Midland.....	D1	115.58	969	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	5	2	cents	0.75
Mount Forest.....	D1	28.87	71	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Neustadt.....	D1	35.35	210	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	5	2	cents	0.75
Nottawasaga.....	D1	22.88	170	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Orangeville.....	D1	137.32	434	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Owen Sound.....	D1	55.43	277	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	5	2	cents	0.75
Port Perry.....	D1	67.54	605	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Ripley.....	D2	108.59	396	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Sable.....	D1	137.27	669	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Shelburne.....	D1	52.29	164	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
South Falls.....	D1	15.95	55	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	5	2	cents	0.75
Sparrow Lake.....	D1	80.76	718	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	4	2	cents	0.75
Tara.....	D1	74.13	313	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Thornton.....	D1	17.80	61	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Tottenham.....	D1	28.71	69	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Utterson.....	D1	64.20	371	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Uxbridge.....	D1	77.76	324	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75
Wasaga Beach.....	D1	27.25	1,451	1.00	1.75	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	4.5	1.5	cents	0.75
Wroxeter.....	D1	88.59	510	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	2.78	2.78	2.78	3.33	3.33	6	2	cents	0.75

Total, Georgian Bay system...306,330 18,505 \*See footnote on page 55. †These rates apply to regular consumers and summer cottages.  
†See heading to first page of table.



## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural Rates														Prompt payment discount			
	Class	Property number	Miles of line	No. of consumers	Gross monthly service charge to regular consumers											Gross consumption charges		
					1B	1C	2A	2B	3*	4	5	6A	6B	7A		7B	Rate for energy all additional	
																	First rate†	Second rate‡
EASTERN ONTARIO SYSTEM																		
Alexandria	QL15	D1	83.32	356	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Arnprior	QM10	D1	68.58	643	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Belleville	QC38	D1	158.43	1,171	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 1.5	% 10
Bowmanville	QC23	D1	75.85	367	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Brighton	QC6	D1	23.73	113	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Brockville	QL3	D1	183.23	1,280	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Calabogie	QM13	D1	4.34	81	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Campbellford	QC11	D1	51.73	184	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Carleton Place	QH5	D1	52.72	183	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Chesterville	QL5	D1	178.00	965	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Cobourg	QC13	D1	214.31	1,061	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Colborne	QC7	D1	94.22	470	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Cornwall	QL1	D1	39.00	115	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Fenelon Falls	QC30	D1	148.20	1,069	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Iroquois	QL9	D1	131.46	637	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Kemptville	QH9	D1	8.47	80	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Kingston	QC44	D1	321.70	1,894	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Lakefield	QC18	D1	112.20	507	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Madoc	QC33	D1	63.08	207	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Marmora	QC47	D1	10.28	54	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Martintown	QL13	D1	78.20	403	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Maxville	QL14	D2	239.83	1,183	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Millbrook	QC25	D1	54.87	255	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Minden	QC37	D1	80.05	474	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10
Napanee	QC43	D1	290.06	1,327	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.56	\$ 2.50	\$ 2.78	\$ 2.78	\$ 3.33	\$ 3.33	cents 2	% 10

†See heading to first page of table.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1941—Continued

Rural power district	Rural rates												Gross consumption charges		Prompt payment discount				
	Class.	Miles of line	No. of consumers	Gross monthly service charge to regular consumers															
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B					
EASTERN ONTARIO SYSTEM—Continued																			
				\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	cents	cents	%	
Nepean.....	QT1 D1	283.03	1,868	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	0.75	10
Newcastle.....	QC22 D1	62.59	260	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10
Norwood.....	QC31 D1	57.12	278	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10
Omemee.....	QC26 D1	34.41	94	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75	10
Oshawa.....	QC24 D1	227.27	2,584	1.00	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	0.75	10
				+1.00	1.56	1.11	1.11	1.56	1.56	1.56	2.50	2.77	2.78	3.33	3.33	3.33			
Pembroke.....	QM30 D1	22.31	127	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10
Perth.....	QH2 D1	99.68	445	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10
Peterborough.....	QC20 D1	183.36	1,701	0.63	1.11	0.79	1.11	1.11	1.11	1.11	1.56	2.01	2.57	2.78	3.33	3.33	4	0.75	10
Prescott.....	OL2 D1	79.49	396	+0.63	1.16	0.79	1.21	1.11	1.11	1.56	2.01	2.57	2.78	3.33	3.33	3.33	6	0.75	10
Renfrew.....	QM16 D1	61.71	378	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10
Smiths Falls.....	QH3 D1	118.72	767	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10
Stirling.....	QC35 D1	97.46	330	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75	10
Sulphide.....	QC34 D1	100.62	379	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10
Trenton.....	QC3 D1	105.98	559	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75	10
Warkworth.....	QC49 D1	21.14	80	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10
Wellington.....	QC45 D1	304.15	1,432	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10
Williamsburgh.....	QL7 D1	57.08	285	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10

Total, Eastern Ontario system 4,637.20 27,042. \*See footnote on page 55. †Summer cottage rates. ‡See heading on first page of table.





When contracts between the consumer and the township have been executed, users of power in townships are supplied with electric service under general classes, according to the requirements and conditions of the individual consumer, as follows:

Class	Service	Class demand kilowatts	Phase	Volts	Fuse rating amperes (maximum)
1B	Hamlet Lighting.....	1.32	1	110	20
1C	“ “.....	2	1	220-110	35
2A	House Lighting.....	1.32	1	110	20
2B	Small Farm Service.....	2	1	220-110	35
3	Light Farm Service.....	3	1	220-110	35
4	Medium Farm Service.....	5	1	220-110	50
5	“ “.....	5	3	220-110	35
6A	Heavy Farm Service.....	9	1	220-110	100
6B	“ “.....	9	1 and 3	220-110	60
7A	Special Farm Service.....	15	1	220-110	According to load
7B	“ “ “.....	15	1 and 3	220-110	According to load

Note: Class 2B is the service usually supplied to farms of fifty acres or less and Class 3 is the service usually supplied to larger farms. More than 90 per cent of new contracts for farm service are in one or other of these classes.

## SECTION IV

### PROMOTIONAL SERVICES

THE increase in demand for power to serve war industry made it inadvisable to continue in any extensive manner the promotion of non-essential uses of electricity. This situation, which was referred to in last year's Report, was accentuated during 1941.

The staff of the Commission engaged on sales promotion work therefore turned its attention to assisting industry to use electrical energy in the most efficient manner, and wherever possible to use it in new ways which would increase the production of munitions and war supplies. Two new activities resulting from war conditions were the supervision of the Commission's participation in the "Bits and Pieces Programme" of the Dominion Government, and looking after the important problem of priorities with respect to the procurement of equipment and material required by the Commission for its primary business of supplying electrical service for the citizens of Ontario.

#### Industrial Work

During the year, service was rendered to more than 100 industrial plants in Ontario. In the recommendations which were made following detailed plant surveys, emphasis was placed on obtaining maximum industrial output with a minimum electrical demand and consumption of energy. Production of essential war materials was speeded up by increased efficiency in the use of power and where possible by the promotion of the use of new methods. Particularly successful results were secured by the adoption of electrical heating in certain drying processes.

This technical service was well received by the industries of Ontario, and worth-while results were obtained. It has helped both the consumer and the Commission to make the best use of existing equipment and reduce the drain on supplies of vital materials now so necessary for the war.

During the latter part of the year the Dominion Government introduced the "Bits and Pieces Programme," and the Commission arranged to co-operate and assist within its own organization. The results have been excellent and the Commission in its various maintenance shops is now producing, under sub-contracts, various pieces and parts of war equipment and machinery.

#### Domestic and Rural Activities

Power requirements for industrial uses and shortage of materials for the manufacture of domestic electrical appliances have precluded sales







promotion work in the domestic and rural fields. However, municipal Hydro utilities have been given assistance in connection with their war problems and in developing a conservation programme to assist domestic consumers to obtain from existing appliances the greatest benefit with a minimum demand for power. In various parts of the Province, cooking schools have been operated to promote among consumers conservation of energy, and encourage economical and nutritious cooking. In rural areas a similar programme of conservation instruction was carried on.

### **Lighting**

An important branch of the Commission's wartime service to industrial and commercial users is concerned with efficient lighting. About 70 industrial plants were provided with lighting service, including recommendations for improved lighting equipment. Most of these recommendations were followed, and in almost all cases resulted in increased production and better quality of the resulting product.

Assistance was rendered to wartime housing projects in preparing their lighting and wiring specifications. These were ultimately used in some 3,000 houses and 5 dormitories erected throughout the Province. The services of several lighting engineers were requested by the Department of National Defence to assist in the lighting and wiring of military establishments. These men were transferred to Ottawa.

### **Advertising**

The Commission's advertising programme was mainly devoted to a type of industrial copy dealing with the participation of Hydro in the war effort, and emphasizing the important position which it holds in this respect. Stress was laid on the dependence of Ontario's industry on an adequate supply of power for the production of munitions and war equipment, and on the necessity for conservation by eliminating non-essential uses. A sound motion picture entitled "Keepers of the Light" was produced and has been shown extensively. This picture further develops the story of Hydro's activities in behalf of the war effort of the Dominion.

### **Sales of Lamps and Equipment**

The sales of electrical supplies and equipment was well maintained, although for the latter part of the year the supply of water-heating material was discontinued except for purposes of repair and maintenance. The distribution of Hydro lamps to Hydro systems was also well maintained, and the total sales increased.

### **Priorities**

In the latter months of 1941, on account of the shortage of materials and the resulting restrictions designed to conserve potential supplies for war needs, the problem of reconciling the requirements of the Dominion control departments with the urgent needs of the Commission for equipment and material required for the operation, maintenance and expansion of power supplies for war purposes assumed greater importance. This work has been delegated to the Sales Promotion staff, which has facilitated the clearance of such material and equipment and given assistance to local Hydro utilities faced with similar problems.

## SECTION V

### HYDRAULIC ENGINEERING AND CONSTRUCTION

**D**URING 1941 construction of new works relating to hydro-electric power supplies was actively carried forward in various sections of the Province. The Big Eddy power development on the Muskoka river\* was brought into operation in October to serve the Georgian Bay system. Construction work continued on the 54,000 horsepower Barrett Chute development on the Madawaska river, and on the Bark Lake storage reservoir some sixty-five miles upstream. In September 1941 work commenced on the extension to DeCew Falls generating station, three miles from St. Catharines. In the north-west part of the Province, construction work on the Ogoki Diversion project started in November 1940. Minor works also were built to improve storage facilities on certain streams.

#### NIAGARA SYSTEM

##### **DeCew Falls Development**

Events of the past year altered materially the situation regarding the DeCew Falls development. An exchange of notes between the Governments of Canada and the United States in the latter part of 1940 provided for the immediate utilization for power at Niagara Falls by the Province of Ontario of additional water equivalent in quantity to the diversions into the Great Lakes basin from the Albany River basin, for which Ontario agreed to make immediate provision. This, along with the urgent need for power in the Commission's systems and the possibility of meeting this need in some measure economically and quickly at DeCew Falls, resulted in the decision to proceed at once with the construction of a development to contain initially one 65,000 horsepower, 25-cycle unit. The plant is designed to permit further extensions up to a total capacity of 200,000 horsepower, but at present the works necessary for the single 65,000 horsepower unit are being built, together with such provisions for future extensions, as are most economically incorporated in the initial installation.

The DeCew Falls development has a greater operating head, 265 feet, than any other plant deriving its water supply from the discharge from lake Erie, with the exception of the Queenston plant. From the standpoint of conservation therefore, this development has much to recommend it. The present storage ponds, with the enlargements contemplated for the ultimate

\*See fuller reference to river on page 62.

development, will enable the constant supply of water at the intake to be used advantageously, at varying rates throughout the 24 hours to meet peak demands for power.

The district, in which the development is situated, has many industrial and commercial establishments. Its location, therefore, is strategic, but its construction involves more than the usual amount of difficulty in safeguarding and in some cases reconstructing the works of other organizations and utilities.

The scheme of development conforms closely to that of the present plant, which was built forty years ago. The plant will draw its water supply from the Welland ship canal through a new intake some distance downstream from the one now in use and thence through a short canal leading to the reservoir, known as Gibson lake. Interconnecting channels in the reservoirs will be enlarged and earth embankments improved and strengthened. A new power canal will lead from the reservoir to a forebay and headworks on the crest of the escarpment, down which a 16-foot penstock will lead to the power house. Outflow from the power house, as at present, will follow Twelve Mile creek to the second Welland canal, reaching lake Ontario by way of the canal and Port Dalhousie harbour.

Active construction work commenced in September 1941. A roadway was built from the St. Catharines-Merrittville highway to the power-house site and railway siding facilities were provided. Temporary camps were set up adjacent to the works. A start was made on some of the channel improvements to be made on Twelve Mile creek, which forms the tailrace channel. Stripping of the cliff, and earth excavation for the power house were commenced.

The existing plant generates about 50,000 horsepower at a frequency of 66-2/3 cycles, which, augmented by an additional supply of 10,000 horsepower obtained from the 25-cycle Niagara system plants through a frequency-changer set, is distributed to what is known as the Dominion Power division of the Niagara system. This plant will remain in service after the first unit is installed in the new plant and possibly after the second unit is completed.

#### **St. Lawrence River Project**

Hydraulic engineering studies and investigations in connection with the St. Lawrence river project were given considerable attention during the year. Conferences were held with engineers of the Dominion and United States Governments, at which solutions were sought for various problems of engineering economics and design relating to the power houses and dams.

#### **Ogoki River Diversion**

In November 1940 construction commenced on the works for the Ogoki diversion project. The upper waters of the Ogoki river, a tributary of the Albany river which flows into James bay, are being diverted from their natural course to flow southward to lake Nipigon. The diverting dam at Waboose Rapids will raise the level of the river and create a reservoir having an area of about 100 square miles. This will enable all but extremely high flows of the river to be diverted southerly, by way of Mojikit creek and the Jackfish river, into lake Nipigon, from which the diverted waters under





STORAGE DAM IN EASTERN ONTARIO  
Showing clay core under construction

beneficial storage regulation will eventually flow into the Great Lakes system. This water will augment the flow at present available for power generation at various hydro-electric plants on the Nipigon river, at Sault Ste Marie, on the Niagara river, at the DeCew Falls extension and on the St. Lawrence river.

By the end of the fiscal year the concrete control dam at the summit between the Ogoki river and lake Nipigon drainage basins had been completed along with various improvements to the river channels in the vicinity. The main diversion dam on the Ogoki river at Waboose rapids was about one-half completed. This structure is of concrete, with earth embankments at the ends, the whole having a total length of 1,425 feet and a maximum height of 50 feet. In addition to the northerly half of the main dam, two small earth side dams remain to be built on this part of the project, as well as a long but low earth dam on Snake creek, which flows into Mojikit lake.

At the Jackfish river crossing north of lake Nipigon, where the diverted waters will pass under the Canadian National Railways, work was commenced which will include rebuilding the railway trestle and relocation of trackage, as well as considerable excavation and improvement to the river channel in the vicinity.

#### **Niagara River Diversions**

Following conversations between officials of the Government of Canada and of the United States in 1940, which indicated a growing apprehension in both countries over the possibility of a power shortage in consequence of Canada's war effort and the National Defence effort in the United States, the United States Government indicated that it would interpose no objection, pending the conclusion of a final Great Lakes-St. Lawrence Basin agreement, to the immediate utilization for power at Niagara Falls by the Province of Ontario of additional waters, equivalent in quantity to the diversions into the Great Lakes Basin from the Ogoki and Long Lake diversions. In November 1940 the Commission received permission from the Dominion Government to increase the quantity of water diverted through the generating stations in Canada from 36,000 to 41,000 cubic feet per second. In 1941 owing to the urgency of power requirements under war conditions, permission was received to increase further the quantity of water taken by the generating stations to 44,000 cubic feet per second. In December 1941 the total Canadian diversion by agreement with the United States was finally increased to 50,000 cubic feet per second.

### **GEORGIAN BAY SYSTEM**

#### **Big Eddy Development**

The second of a series of four power developments on the Muskoka river, below Bala, came into service in October. About three and one half miles below Bala the Muskoka river divides and flows by two channels to Georgian Bay, the right hand and larger channel being known as the Moon river, the name of the main stream being carried after division by the left hand channel, sometimes known locally as the Musquash river. The general scheme of development described more fully in an earlier report is, briefly, the concentration of the fall at four points in the Muskoka river and the diversion of all but waste flow from the Moon to the Muskoka river. A development at the first of these sites, Ragged Rapids four miles below Bala, was completed in 1938. Big Eddy, at the second site, is about four and one half miles below Ragged Rapids. The development has a rated capacity of 9,500 horsepower in two units and operates under a head of 36 feet. It forms an essential source of supply for the Georgian Bay system, as the other power sources are incapable, without it, of meeting the estimated peak demands during the current year.

Work commenced in July 1940 on the construction of a road to the site from Ragged Rapids and active work on the development itself in September. Work had progressed sufficiently to enable the first unit to carry commercial load by October 11, 1941, while the second unit was brought into service less than a month later, on November 1.





#### OGOKI RIVER DIVERSION PROJECT

Summit control dam from north side. This controls outflow of water from the enlarged Mojikit lake formed by the Waboose dam

Between Ragged Rapids and the Big Eddy site, there were a number of minor rapids, but the major part of the fall concentrated for use in the development occurred in a series of rapids and falls immediately above the large whirlpool, from which the development derives its name and at which the course of the river changed sharply to the left. The main dam is placed just above the series of rapids, through which the river falls to reach the Big Eddy pool. A short distance above the dam, a power canal has been excavated in earth for about 400 feet and then in rock for a further 350 feet to the powerhouse site, beyond which the water discharged from the turbines flows through a tailrace channel excavated in earth to enter the pool, about opposite the point where the river channel leaves the pool to follow its course downstream.

The main dam, commencing at the right bank, comprises a bulkhead section, 51 feet in length, adjoining which is a gravity section with a spillway crest at normal maximum elevation and 238 feet in length followed by four sluiceways close to the left bank of the river. Beyond the sluiceways another spillway section, 78 feet in length, and a bulkhead section complete the closure to high ground, which is here close to the river bank. The sluiceways are four in number, 14 feet wide, and have their sills at elevation 665, that is about sixteen feet below headwater level. In ordinary operating procedure they will remain closed, as flood waters will be diverted to the Moon river above Ragged Rapids.

The power canal, as it leaves the river, is trapezoidal in section, having a bottom width of 80 feet, a depth of 10 feet and side slopes of two to one. The velocity of this part of the canal is 2.75 feet per second, with full load on the plant. Toward the end of the earth section, the canal curves to the left and enters a rectangular rock cut 45 feet wide, in which the depth of



water is 15 feet, and the velocity of flow 4.2 feet per second. From the end of the canal the channel widens as it approaches the face of the power house, short gravity sections of concrete flanking the channel to form the forebay.

To close depressions to the right of the power canal, two rock-fill dams, with concrete core walls, were required respectively 330 and 390 feet long and about 20 feet in height. Material from the canal and power-house excavation was used for construction of these dams.

The power-house, situated on the continuation of the centre line of the canal and forebay, houses two units, the turbines being of the fixed blade propeller type, rated at 4,950 horsepower, 200 r.p.m., under a head of 36 feet. They are set in reinforced concrete scroll cases, each drawing its water supply through two rectangular conduits 12 feet wide by 16 feet high and about 24 feet long, the whole forming an integral part of the power-house substructure. The turbines discharge through an elbow type draft tube to the tailrace.

The power-house superstructure is of brick and extends over the headworks sufficiently to house the gate hoisting machinery. Racks and checks for the emergency gates are in front of this part of the superstructure. That portion of the superstructure adjoining the headworks, some fifteen feet in width, houses the control room and miscellaneous equipment. The station is designed for supervisory control from the Ragged Rapids plant and space to house the necessary equipment for this purpose is provided.

## EASTERN ONTARIO SYSTEM

### **Barrett Chute Development**

During 1941, construction work was actively commenced and proceeded with on the Barrett Chute development. The new development is situated at the head of Calabogie lake on the Madawaska river. The power house will contain two units, having a total capacity of 54,000 horsepower under a head of 150 feet. The development comprises a concrete dam across the river channel above High falls, a power canal from the river to the headworks and two steel penstocks to convey the water from the headworks to the power house. By the close of the fiscal year, the main dam was practically completed. The canal excavation was about 50 per cent completed. Excavation for the power house was completed and work on the power-house substructure was under way. The natural level of the river will be raised seventy feet at the dam and the flowage will extend upstream a distance of eight miles. The necessary work on clearing the affected lands at the year end was about 50 per cent completed. The plant is expected to be in service in July 1942.

### **Bark Lake Dam**

The Bark Lake storage project, also under construction, is a necessary adjunct of the Barrett Chute development and proposed future developments on the Madawaska river. The storage dam is situated at Bells rapids at the foot of Bark lake, some 65 miles upstream from Barrett Chute. The new dam will increase the storage range on Bark lake from the four-foot variation previously available to a total of about thirty feet, providing some 300,000

acre-feet of storage. The structure consists of an earth fill dam with concrete control section equipped with five sluiceways of conventional stop-log type and, at a lower level, four pipe conduits 5.5 feet in diameter controlled by butterfly valves for the discharge of storage water. At the close of the fiscal year, the earth fill dam was almost completed and work was proceeding on the concrete structure. It is expected that the storage dam will be completed in time to impound the spring run-off of 1942.

## NORTHERN ONTARIO PROPERTIES

### **Sudbury and Nipissing Districts**

Field investigations were made on the Sturgeon river during the period of exceptionally high flood run-off in the spring of 1941. Field surveys and office design work proceeded in connection with the replacement of the two old timber crib dams at Tomiko lake and Wicksteed lake on the Sturgeon river watershed. At Tomiko lake the new structure will have concrete sluiceways with side dams of rock-filled cribwork. The Wicksteed dam is a rock-filled timber crib structure. The rehabilitation of these dams will provide additional storage for the benefit of the Crystal Falls generating station.

### **HYDRAULIC INVESTIGATIONS**

During 1941 engineering work was continued in connection with maintenance of the hydraulic plants on the various systems. Matters having to do with lands, contracts and agreements, were handled. Supervision of storage reservoirs and water supply to plants in various systems and the routine collection of hydrometric data were continued. Investigations at certain generating stations were carried on to ensure proper hydraulic operating conditions.

At Chats Falls generating station, hydraulic tests were made to determine the improvement in performance resulting from the rehabilitation of several of the generating units.



TRANSPORTATION IN NORTHERN ONTARIO  
Tractor drawing poles to support line supplying Northern Ontario mine

## SECTION VI

### ELECTRICAL ENGINEERING AND CONSTRUCTION

THE new generating station at Big Eddy on the Muskoka river\* was completed and electrical equipment was purchased for the new development at Barrett Chute on the Madawaska river.

Additional 230,000-volt transmission circuit capacity was built from the Quebec border to Burlington and placed in service with the new 150,000-kv-a station there.

Altogether 515 miles of transmission circuits were completed during the year and the rural lines were extended a total of 771 miles to give service to 8,896 additional customers

The continued rapid growth of industrial loads on the various systems required, throughout the year, extensive engineering studies and planning for new stations and circuits and improved voltage regulation. These studies included the proposed St. Lawrence development as a future source of power. To facilitate these studies a network calculator was purchased for installation in the office building.

On later pages of this section a tabulation gives all transformer and distribution stations where construction work was under way and where transformer capacity was increased during 1941. A tabulation also gives the total mileage of transmission lines and circuits and another tabulation gives a summary of construction in rural power districts.

Engineering assistance was given to a large number of municipalities in connection with the purchase and installation of new equipment and in changes to their local stations. Detailed reference to some of the larger installations is given in the following paragraphs:

#### NIAGARA SYSTEM

A 230,000-volt single-circuit steel-tower line was completed from the Ontario-Quebec boundary near the St. Lawrence river to Leaside transformer station, a distance of 275 miles. A 230,000-volt double-circuit steel-tower

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\*See reference to river on page 62.



line was built from a point near Toronto-Leaside transformer station to the new Burlington transformer station, a distance of 45 miles.

The 230,000-volt, 150,000-kv-a Burlington transformer station, started in 1940, was placed in service during 1941. An additional bank of three 25,000-kv-a transformers and a 75,000-kv-a voltage regulator were purchased for a third bank to be installed in 1942.

Two transformer stations were installed and placed in service in the Welland district. One of these, Crowland transformer station, has an installed capacity of three 25,000-kv-a three-phase transformers and the other, Atlas Steel transformer station has one similar transformer in service while the installation of a second unit will be completed early in 1942.

A new 50,000-kv-a transformer station is under construction at Sherbourne street and Esplanade in Toronto and will be in service early in 1942.

At Palmerston a one unit 8,000-kv-a transformer station is nearly completed.

The transformer capacity at Preston transformer station was increased.

Switching equipment was installed at Toronto-Leaside transformer station for the control of a 230,000-volt transmission circuit to Burlington transformer station.

An outdoor transformer station is being erected at Niagara for the control of the 110,000-volt power supply from Toronto Power development and to provide for the installation of the, now, temporarily installed 48,000-kv-a transformer bank.

A total of nineteen new distributing stations were installed throughout the system and the capacity of fourteen others was increased. The total increased transformer capacity in the distributing stations is 42,225 kv-a.

Studies were made of the electrical plant for the development of additional 25-cycle power at DeCew Falls and for other sources of power, including the proposed St. Lawrence development and power sites on the Ottawa river.

### GEORGIAN BAY SYSTEM

The generating station at Big Eddy on the Muskoka river was placed in service in October 1941. This added 10,000-kv-a generating capacity to the system.

Two new distributing stations were installed and the transformer capacity of five others was increased. The total increased capacity in the seven stations is 2,800 kv-a.

Studies of alternative means of providing more power to the system were carried out and arrangements were made for raising the transmission voltage from 22,000 to 38,000 volts in order to increase the capacity of the circuits.

### EASTERN ONTARIO SYSTEM

A new generating station is being constructed at Barrett Chute development on the Madawaska river. The installation will consist of two 24,000-kv-a vertical type generators with two three-phase transformers of similar capacity to step-up to a transmission voltage of 110,000 volts. All equipment is purchased and the first unit will be in service in the summer of 1942.

A 15,000-kv-a transformer station was erected at Oshawa and additional transformer capacity was installed at Smith Falls transformer station.

Additional switching equipment was installed at Auburn transformer station and Ranney Falls generating station to connect in new 44,000-volt transmission circuits.

A sixty-five mile 110,000-volt transmission circuit from Sidney transformer station to Oshawa was placed in service and a twenty-six mile 44,000-volt circuit was built between Ranney Falls generating station and Auburn switching station.

A total increase in transformer capacity of 9,750 kv-a was installed at fifteen distributing stations on the system.

Arrangements were completed for accurate control of the system frequency and the necessary equipment will be installed at the generating stations during 1942.

### NORTHERN ONTARIO PROPERTIES

A bank of three 1,500-kv-a transformers was installed at Shiningtree transformer station replacing a 1,000-kv-a three-phase unit. An additional 3,000-kv-a transformer bank was installed at Sudbury distributing station.

A 26,400-volt transmission line was built from Shiningtree transformer station a distance of forty-two miles to supply power to Jerome Gold Mines Limited.

Plans were completed for increasing the flexibility of the interconnection between the Northern Ontario Properties (Abitibi district) and the Abitibi Pulp and Paper Company's system at Hunta where an 18,000-kv-a (circuit-capacity) auto-transformer will be installed. This will permit an increase in the system transmission voltage.

Studies were also carried out for additional power supply to the Sudbury district.

### OFFICE BUILDING

The Commission's sixteen storey office building was completed during the year and the staff re-established in the new quarters.

### DISTRIBUTION LINES

At the end of this section is a tabulation of the mileage of distribution lines constructed by the Commission in rural power districts and the number





TRANSPORTATION IN NORTHERN ONTARIO  
Cable for transmission line being hauled in by tractor

of consumers served. The capital invested in these rural power districts at October 31, 1941, was approximately \$38,900,000.

In addition to the extensions in connection with rural electrical service the Commission extended supply lines and constructed distribution systems for the Dominion Government to serve aerodromes in many sections of the Province. Engineering assistance was also given to the Department of Highways, and the Commission installed traffic signals and flashes at various intersections. A signal head with large red lens was developed and installed at about fifty locations.

TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1941  
and Some of Special Importance for Completion in 1942

Installed transformers							Removed transformers	
Stations	No	Kv-a	Ph	Total kv-a	From	In service	NoKv-a	To
<b>Niagara System</b>								
N29 Atlas Steel	T.S. 1	25,000	3	25,000	Reserve	Mar. 2, '41		
N29 Atlas Steel	T.S. 1	25,000	3	25,000	Reserve	1942		
NA39 Burlington	T.S. 6	25,000	1	150,000	New	Oct. 11, '41		
N41 Crowland	T.S. 3	25,000	3	75,000	Reserve	Aug. 29, '41		
N24 Hamilton-Gage	T.S. 1	25,000	3	25,000	Reserve	Dec. 21, '40		
N28 Palmerston	T.S. 1	8,000	3	8,000	Reserve	1942		
N6 Preston	T.S. 3	2,850	1	8,550	Reserve	Feb. 23, '41	3	1,250 Reserve
N42 Toronto Power	T.S. 3	16,000	3	48,000	Reserve	1942		
N36 Toronto-Esplanade	T.S. 2	25,000	3	50,000	Reserve	1942		
N45 Welland	T.S. 2	5,500	1	11,000	Reserve	Dec. 9, '40		
N2902-1 Atlas Steel	D.S. 2	3,000	3	6,000	New	Mar. 2, '41		
N125 Dunnville (Dep.ofNat.Def.)	1	1,500	3	1,500	Reserve	Nov. 17, '40		



**TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1941  
and Some of Special Importance for Completion in 1942**

Installed transformers							Removed transformers		
Stations	No	Kv-a	Ph	Total kv-a	From	In service	No	Kv-a	To
<b>Niagara System</b>									
—Continued									
N225 Hagersville D.S. (Dep.ofNat.Def.)	1	600	3	600	Reserve	Aug. 29, '41			
N224 Jarvis D.S. (Dep.ofNat.Def.)	3	200	1	600	Reserve	Aug. 3, '41			
N253 Rainham D.S.	1	300	3	300	Reserve	Mar. 1, '41			
N221 Ryckman D.S. (Dep.ofNat.Def.)	3	333	1	1,000	Reserve	Dec. 12, '40			
N251 Ryckman						Dec. 12, '40	3	150	Reserve
N3539 deHavilland D.S.	1	1,875	3	1,875	Reserve	Jan. 12, '41	3	500	Reserve
N3408 General Engineering Co. Stn.	1	1,875	3	1,875	Reserve	July 6, '41			
N3434 East									
York D.S. No. 4	1	1,875	3	1,875	New	Oct. 29, '41			
N3559 Sharon D.S.	1	600	3	600	Reserve	June 15, '41	2	150	Reserve
N3531 York (Stn. A.) D.S.	1	3,750	3	3,750	New	Dec. 5, '40			
N3532 York (Stn. B.) D.S.	1	3,750	3	3,750	New	Dec. 6, '40			
N3533 York (Stn. C.) D.S.	1	3,750	3	3,750	New	Dec. 9, '40			
N3534 York (Stn. D.) D.S.	1	3,750	3	3,750	New	Feb. 27, '41			
N3536 York (Stn. E.) D.S.	1	3,750	3	3,750	New	Feb. 23, '41			
N3537 York (Stn. F.) D.S.	1	3,750	3	3,750	New	Mar. 6, '41			
N451 Broughdale D.S.	3	500	1	1,500	Reserve	June 1, '41	3	250	Baden
N443 Exeter D.S.	3	150	1	450	Reserve	July 19, '41			
N455 Glendale D.S.	3	667	1	2,000	Reserve	Sept. 4, '41	3	250	Reserve
N440 Lucan D.S.	3	150	1	450	Reserve	Aug. 12, '41	3	100	Reserve
N530 Guelph D.S.	1	600	3	600	Reserve	Sept. 14, '41			
N637 Centreville D.S.	1	600	3	600	Reserve	Sept. 17, '41			
N735 Baden D.S.	3	250	1	750	Broughdale	Aug. 31, '41	1) 2)	150 150	Scrap Salvage
N821 Clinton D.S. (Dep.ofNat.Def.)	1	600	3	600	Reserve	June 30, '41			
N9D31 St. Marys R.S.	3	333	1	1,000	Reserve	April 20, '41	3	150	Reserve
N1047 Nor.									
Ingersoll D.S.	3	333	1	1,000	Reserve	Mar. 9, '41	3	150	Reserve
N1111 Aylmer D.S. (Dep.ofNat.Def.)	3	500	1	1,500	Reserve	May 6, '41			
N1138 Aylmer D.S.						May 6, '41	3	250	Reserve
N1253 St. Williams D.S.	3	333	1	1,000	Reserve	Nov. 10, '40	3	150	Reserve
N1233 Dumfries D.S.	1	75	1	75	Reserve	Mar. 9, '41			
N1856 Watford D.S.	1	150	3	450	Reserve	Dec. 22, '41			
K14 Service Building	3	75	1	225	New	May 18, '41	3	50	Reserve
N1432 Tilbury D.S.	1	300	3	300	Reserve	Dec. 19, '40			
N1857 Corunna D.S.	3	150	1	450	Reserve	Aug. 21, '41			
ND5 Beamsville D.S.		Dism	an led			May 31, '41	3	100	Reserve
ND6 Grimsby D.S.		Dism	an led			May 14, '41	3	500	Salvage
ND7 Smithville D.S.		Dism	an led			May 31, '41	3	100	Reserve
<b>Georgian Bay System</b>									
G10 Big Eddy Dev.	3	3,000	1	9,000	New	Oct. 11, '41			
GE29 Durham-Russel D.S.		Dism	an led			April 17, '41	3	150	Durham
GE7 Durham D.S.	3	150	1	450	GE29	Jan. 26, '41	3	100	Reserve

TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1941  
and Some of Special Importance for Completion in 1942

Installed transformers							Removed transformers		
Stations	No	Kv-a	Ph	Total kv-a	From	In service	No	Kv-a	To
<b>Georgian Bay System</b>									
—Continued									
GE5 Chatsworth D.S.	3	50	1	150	Callander D.S. (Can. Timber Co.)	Nov. 17, '40	3	25	Reserve
GS32 Alliston D.S.	3	200	1	600	Reserve	Oct. 5, '41	3	125	Reserve
GS2231 Camp Borden D.S.	1	50	1	50	New	July 9, '41	...	...	...
GS2201 Camp Borden D.S. No. 1 (Dep.ofNat.Def.)	3	667	1	2,000	Reserve	June 22, '41	3	125	Property of Customer
GW14 Thorah D.S.	3	200	1	600	New	July 22, '41	...	...	...
GW3 Cannington D.S.	3	150	1	450	Reserve	Nov. 1, '40	3	100	Reserve
<b>Non-System R.P. District</b>									
<b>(Manitoulin (XM))</b>									
XM131 Kagawong D.S.	3	100	1	300	New	Aug. 20, '41	...	...	...
<b>Eastern Ontario System</b>									
Q16 National Research Ottawa T.S.	3	1,000	1	3,000	New	June 1, '41	...	...	...
Q15 Oshawa T.S.	3	5,000	1	15,000	Reserve	Mar. 11, '41	...	...	...
Q2 Smiths Falls T.S.	3	5,000	1	15,000	Reserve	Aug. 17, '41	4	1,250	Reserve
Q9 Carleton Place D.S.	1	750	3	750	Reserve	Aug. 31, '41	...	...	...
QC6 Brighton D.S.	3	200	1	600	Reserve	Dec. 15, '40	...	...	Reserve
QC9301 Cataraqui R.S. (Dep.ofNat.Def.)	3	667	1	2,000	Reserve	Dec. 8, '40	...	...	...
QC93 Cataraqui R.S.	...	Dism ant led		...	...	Dec. 8, '40	3	250	Reserve
QC1832 Lakefield D.S.	...			...	...	Dec. 9, '40	3	75	Reserve
QC29 Lindsay D.S.	1	1,500	3	1,500	Reserve	Dec. 18, '40	...	...	...
QC26 Omemee D.S.	3	100	1	300	Reserve	Dec. 15, '40	3	50	Reserve
QC27 Oshawa D.S. No. 3	1	3,000	3	3,000	Reserve	Oct. 1, '41	...	...	...
QC4001 Mountain View (Dep.ofNat.Def.)	3	250	1	750	Reserve	Jan. 17, '41	...	...	...
QC20D31 Peterboro D.S. No. 3	3	200	1	600	Reserve	July 24, '41	...	...	...
QC4503 Picton R.S. (Dep.ofNat.Def.)	3	250	1	750	Reserve	Nov. 17, '40	...	...	...
QC45D32 Picton R.S.	3	...	...	...	...	Nov. 17, '40	3	100	Reserve
QC16 Port Hope D.S.	1	750	3	750	Reserve	Nov. 17, '40	...	...	...
QC34 Sulphide D.S.	1	300	3	300	Reserve	July 6, '41	...	...	...
QC24D31 Whitby D.S.	1	1,000	3	1,000	Reserve	June 29, '41	...	...	...
QT134 Ottawa D.S. No. 2	3	250	1	750	New	June 28, '41	...	...	...
QH5 Carleton Place D.S.	...	Dism ant led		...	...	Aug. 31, '41	3)	200	Salvage
...	...			...	...	...	3)	250	Salvage
QC3431 Nichols Chem. Co. M.E.	...	Remo ved		...	...	Sept. 28, '41	3	100	Scrap
QL14 Apple Hill D.S.	1			150	Reserve	Feb. 14, '41	1	150	Scrap
QL17 Maxville D.S.	3	50	1	150	Reserve	Nov. 10, '40	3	25	Reserve
<b>Northern Ontario Properties</b>									
FA25 Shiningtree T.S.	3	1,500	1	4,500	Reserve	April 20, '41	1	1,000	Reserve
FA1835 Hyslop D.S.	1	75	1	75	Reserve	June 30, '41	2	25	Reserve
FS11 Sudbury D.S. No. 2	3	1,000	1	3,000	New	June 22, '41	...	...	...

## TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

System and voltage	Kind of structures	Line route or structure miles			Circuit miles
		Total to Oct. 31, 1940	Additions 1941	Total to Oct. 31, 1941	Total to Oct. 31, 1941
<b>Niagara System</b>					
230,000-volt.....	steel	705.40	319.72	1,025.12	1,069.97
110,000-volt.....	"	829.36	30.77	860.13	1,545.43
110,000-volt.....	wood	74.54	5.01	79.55	81.38
90,000-volt.....	steel	65.85	.....	65.85	120.81
60,000-volt.....	"	78.75	*19.17	59.58	35.57
60,000-volt.....	wood	10.48	* 9.86	0.62	0.62
46,000-volt.....	steel	32.42	0.05	32.47	65.17
46,000-volt.....	wood	23.73	* 1.51	22.22	22.22
26,400-volt.....	"	747.67	90.02	837.69	986.45
13,200-volt.....	"	370.35	*60.56	309.79	337.78
13,200-volt.....	steel	1.17	.....	1.17	2.34
12,000-volt.....	wood	97.76	* 1.15	96.61	124.83
Dominion Power division—44,000-volt..	steel	34.76	.....	34.76	72.07
Dominion Power division—44,000-volt..	wood	118.37	* 1.80	116.57	112.95
Dominion Power division—22,000-volt..	"	28.69	.....	28.69	38.21
Dominion Power division—10,000-volt..	"	14.46	.....	14.46	14.46
<b>Georgian Bay System</b>					
110,000-volt.....	wood	55.83	.....	55.83	55.83
38,000-volt.....	"	182.55	16.82	199.37	199.80
6,600-volt.....	"	2.30	.....	2.30	2.30
Seyn district—22,000-volt.....	"	147.11	*13.25	133.86	204.58
Eugenia district—26,400-volt and less..	"	247.40	* 1.25	246.15	328.73
Wasdell district—22,000-volt.....	"	83.43	.....	83.43	87.37
Muskoka district—38,000-volt.....	"	26.31	.....	26.31	26.31
<b>Eastern Ontario System</b>					
110,000-volt.....	steel	163.23	.....	163.23	166.54
110,000-volt.....	wood	214.38	67.11	281.49	281.49
44,000-volt.....	"	24.33	.....	24.33	24.33
33,000-volt.....	"	42.26	.....	42.26	47.94
Central district—44,000-volt and less..	"	530.88	*34.87	496.01	534.24
St. Lawrence district—44,000-volt.....	"	128.29	.....	128.29	128.67
Rideau district—26,400-volt.....	"	62.63	.....	62.63	62.63
Madawaska district—33,000-volt and less	"	58.81	0.20	59.01	59.01
<b>Thunder Bay System</b>					
110,000-volt.....	steel	82.12	.....	82.12	164.28
110,000-volt.....	wood	178.21	.....	178.21	178.21
44,000-volt.....	"	114.91	.....	114.91	114.91
22,000-volt.....	"	7.87	.....	7.87	7.87
12,000-volt.....	"	1.45	.....	1.45	1.45
<b>Northern Ontario Properties</b>					
Nipissing district—22,000-volt.....	wood	62.39	* 0.07	62.32	78.84
Sudbury district—110,000-volt.....	"	46.23	.....	46.23	46.23
Sudbury district—22,000-volt.....	"	59.86	1.50	61.36	61.36
Abitibi district—132,000-volt.....	steel	362.74	.....	362.74	725.48
Abitibi district—132,000-volt.....	wood	190.19	.....	190.19	190.19
Abitibi district—33,000-volt and less..	"	100.26	52.35	152.61	153.37
Patricia district—44,000-volt.....	"	344.02	.....	344.02	344.02
Patricia district—22,000-volt.....	"	33.01	.....	33.01	33.18
Totals.....		6,786.76	†440.06	7,226.82	8,939.42

\*Removals.

†Net increase.



**TRANSMISSION LINE CHANGES AND ADDITIONS MADE DURING YEAR  
ENDED OCTOBER 31, 1941**

**NIAGARA SYSTEM**

**High-Voltage Lines**

A 230,000-volt, single-circuit, steel-tower line was completed from the Ontario-Quebec boundary near the St. Lawrence 240.83 miles to Brooklin junction.

A 230,000-volt, single-circuit, steel-tower line was built from Brooklin junction 25.19 miles to Leaside junction.

A 230,000-volt, single-circuit, steel-tower line was built from Leaside junction 8.85 miles to Leaside transformer station.

A 230,000-volt, double-circuit, steel-tower line was built from Leaside junction 44.85 miles to Burlington transformer station.

Five 230,000-volt, single-circuit, steel towers entering Leaside transformer station were removed and replaced with extensions to the existing bridge structures.

Two 110,000-volt, double-circuit, steel-tower lines were built from Burlington transformer station 1.64 miles to Wentworth junction.

The 110,000-volt, double-circuit, steel-tower line from Hamilton junction to Nelson junction was looped through Burlington transformer station.

A 110,000-volt, double-circuit, steel-tower line was built from Hamilton junction 1.16 miles to Hamilton Beach transformer station.

The 110,000-volt, double-circuit, steel-tower line from Saltfleet junction 1.24 miles to Hamilton junction was removed.

The 110,000-volt, single-circuit, wood-pole line from Hamilton junction 1.16 miles to Hamilton Beach transformer station was removed.

A 110,000-volt, double-circuit, steel-tower line was built from Holland Road junction 7.07 miles to Michigan junction.

A 110,000-volt, single-circuit, steel-tower line was built from Michigan junction 2.30 miles to Atlas Steels transformer station.

A 110,000-volt, single-circuit, steel-tower line was built from Atlas Steels transformer station 2.27 miles to Crowland junction.

A 110,000-volt, double-circuit, steel-tower line was built from Crowland junction 0.70 mile to Crowland transformer station.

The 60,000-volt, single-circuit, steel-tower line from Crowland junction 4.42 miles and the double-circuit, steel-tower line 1.83 miles to Port Colborne transformer station were re-strung with heavier conductor and placed in service at 110,000 volts.

The 60,000-volt, single-circuit wood-pole line from Crowland transformer station 4.02 miles was rebuilt for 110,000-volt operation and extended to Port Colborne transformer station on one circuit of the double-circuit, steel-tower line above.

A 110,000-volt, single-circuit, wood-pole line was built from "T.P." transformer station 2.15 miles to Montrose junction.

The 60,000-volt, single-circuit, steel-tower line from Montrose junction 5.70 miles to Michigan junction was placed in service at 110,000 volts.

The 60,000-volt, double-circuit, steel-tower line from Michigan junction 3.43 miles to Crowland junction was placed in service at 110,000 volts.

The 60,000-volt, single-circuit, steel-tower line from Wabash junction 4.03 miles to Michigan junction was removed.

The 60,000-volt, single-circuit, wood-pole line from Wabash junction 3.21 miles to Thorold transformer station was removed.

A half-mile portion of the 60,000-volt, single-circuit, wood-pole line from Crowland to Port Colborne transformer station was removed.

A steel ground cable was installed on the 110,000-volt, single-circuit, steel-tower line from St. Thomas transformer station 1.03 miles to Essex transformer station.

**Low-Voltage Lines**

NIAGARA DISTRICT:—A part of the 12,000-volt line from "T.P." transformer station 4.10 miles to Welland Chemical Works was removed.

DUNDAS DISTRICT:—A 26,400-volt line was placed in service from Rainham junction 1.27 miles to Rainham distributing station.

A 26,400-volt line was built from Oneida junction 5.03 miles to Hagersville airport, 3.03 miles of which was for the Dominion Government.

PRESTON DISTRICT:—A 26,400-volt line was built from Preston transformer station 4.80 miles to Centreville distributing station.

KITCHENER DISTRICT:—The 13,200-volt line from Kitchener transformer station 12.22 miles to New Hamburg distributing station was converted to pole-top-pin construction.

STRATFORD DISTRICT:—A 26,400-volt line was built from Hullett junction 2.79 miles to the R.C.A.F. school, Clinton, for the Dominion Government.

WOODSTOCK DISTRICT:—The 13,200-volt line from Woodstock transformer station 11.08 miles to Norwich junction was reinsulated for 26,400 volts and converted to pole-top-pin construction; 4.87 miles were relocated.

The 13,200-volt line from Woodstock transformer station 9.93 miles to Ingersoll municipal station was reinsulated for 26,400 volts and converted to pole-top-pin construction; 3.50 miles were relocated.

The operating voltage of the district was raised from 13,200 volts to 26,400 volts.

ST. THOMAS DISTRICT:—A section of the 13,200-volt line from Aylmer junction to Aylmer distributing station was relocated.

BRANT DISTRICT:—A 26,400-volt line was built from Brant transformer station 1.88 miles to Consolidated Sand and Gravel junction.

A 26,400-volt line was built from Consolidated Sand and Gravel junction 0.50 mile to new Paris junction.

The 26,400-volt line from old Paris junction 1.49 miles to Consolidated Sand and Gravel junction was removed.

The 26,400-volt line from Bloomsburg junction 3.4 miles to Port Dover junction was removed.

KENT DISTRICT:—A 26,400-volt line was built from Kent transformer station 1.47 miles to Prince Albert junction.

YORK DISTRICT:—A 26,400-volt line was built from York transformer station 1.25 miles to York junction.

A 26,400-volt line was built from Lakeview junction 1.49 miles to Rifle Range distributing station.

The operating voltage of the district was raised from 13,200 volts to 26,400 volts.

HAMILTON DISTRICT:—A 13,200-volt line was built from Central Avenue junction 0.52 mile to Hamilton municipal station.

A 13,200-volt line was built from Hamilton-Gage transformer station 0.68 mile to the Burlington Steel Company.

A 13,200-volt line was built from Hamilton-Gage transformer station 0.68 miles to Sherman Avenue.

The 13,200-volt line from Hamilton Beach transformer station 1.37 miles to Windermere junction was relocated.

ST. CLAIR DISTRICT:—A 26,400-volt line was built from St. Clair transformer station 5.70 miles to Corunna distributing station.

TORONTO AND LEASIDE DISTRICTS:—A 13,200-volt line was built from Fairside Avenue junction 0.15 mile to East York distributing station No. 4.

A 13,200-volt line was built from Cedarvale Avenue junction 0.24 mile to East York distributing station No. 5.

A 13,200-volt line was built from Cedarvale Avenue junction 1.12 miles to East York distributing station No. 6.

A 13,200-volt line was built from East York distributing station No. 3, 0.77 mile to Fairside Avenue junction.

A 13,200-volt line was built from Fairside Avenue junction 0.61 mile to Cedarvale Avenue junction.

A 13,200-volt line was built from East York distributing Station No. 6, 0.78 mile to August Avenue junction.

One circuit of the 13,200-volt line from Leaside transformer station 0.29 mile to Don junction was restrung.

The 13,200-volt line from Don junction 3.91 miles to Wardin Avenue junction was restrung.

TORONTO AND FAIRBANK DISTRICT:—A 26,400-volt line was built from Fairbank transformer station 0.38 mile to Lyon Avenue junction.

A 26,400-volt line was built from Lyon Avenue junction 0.41 mile to Belvidere Avenue junction.

A 26,400-volt line was built from Belvidere Avenue junction 0.43 mile to York distributing station "D".

A 26,400-volt line was built from Belvidere Avenue junction 0.82 mile to York distributing station "F".

A 26,400-volt line was built from Fairbank transformer station 0.49 mile to York distributing station "E".

A 26,400-volt line was built from Lyon Avenue junction 0.16 mile to York distributing station "E".

A 26,400-volt line was built from Fairbank transformer station 2.50 miles to York distributing station "C".

A 26,400-volt line was built from York distributing station "C" 1.58 miles to York distributing station "A".

A 26,400-volt line was built from Kodak junction 0.18 mile to York distributing station "B".

THOROLD DISTRICT:—A 12,000-volt line was built from Interlake Tissue Mills 3.26 miles to Lincoln distributing station.

WELLAND DISTRICT:—A 26,400-volt line was built from Atlas Steels (Welland) transformer station 0.24 mile to Welland distributing station.

A 26,400-volt line was built from Crowland transformer station 2.01 miles to Atlas Steels (Welland) transformer station.

26,400-volt lines totalling 3.08 miles were built to complete four circuits between Crowland transformer station and Welland transformer station.

The 46,000-volt line from Schofield junction 1.17 miles to Welland distributing station was converted to 26,400-volt operation.

The 12,000-volt line from the Electro Metals Company 1.77 miles to Empire Cotton distributing station and Canada Steel Foundry was removed.

NIAGARA-DOMINION DISTRICT:—A section of the 44,000-volt line from Ship Canal junction to Niagara frequency changer station 1.80 miles in length was removed.

### GEORGIAN BAY SYSTEM

#### High-Voltage Lines

A 38,000-volt, single-circuit, wood-pole line was built from Big Eddy generating station 3.68 miles to Ragged Rapids generating station.

A 44,000-volt, single-circuit, wood-pole line was built from Seguin River junction 0.44 mile to Parry Sound Public Utilities Commission station for that Commission.

The 22,000-volt, double-circuit, wood-pole line from Fergusonvale junction 0.10 mile to Fergusonvale auto-transformer station was converted to single-circuit construction and reinsulated for 38,000 volts.

A 38,000-volt, double-circuit, wood-pole line was built from Camp Borden junction 1.50 miles to Barrie junction.

The 22,000-volt, single-circuit, wood-pole line from Barrie junction 1.02 miles to Barrie distributing station was converted to pole-top-pin construction and reinsulated for 38,000 volts.

The 22,000-volt, single-circuit, wood-pole line from Camp Borden junction 13.05 miles to Camp Borden distributing station was restrung and reinsulated for 38,000 volts, and converted to pole-top-pin construction.

The 22,000-volt, double-circuit, wood-pole line from Fergusonvale auto-transformer station 7.28 miles to Midhurst distributing station was rebuilt and one circuit was reinsulated for 38,000 volts.

The 22,000-volt, double-circuit, wood-pole line from Midhurst distributing station 3.34 miles to Camp Borden junction was rebuilt and reinsulated for 38,000 volts; 1.67 miles were relocated.

EUGENIA DISTRICT:—The 22,000-volt line from Hanover switching station 0.18 mile to Chesley junction was restrung.

The 22,000-volt line from Southampton generating station 1.25 miles to Southampton junction was removed.



SEVERN DISTRICT:—The 22,000-volt lines from Bradford junction 11.11 miles to Alliston distributing station were converted to pole-top-pin construction.

The sky wire was removed from the 22,000-volt line Big Chute generating station 7.50 miles to Swift Rapid generating station.

The 22,000-volt line from Camp Borden junction 3.28 miles to Barrie distributing station was removed.

### EASTERN ONTARIO SYSTEM

#### High-Voltage Lines

A 110,000-volt, single-circuit, wood-pole line was built from Cyrville junction 1.47 miles to National Research (Ottawa) transformer station.

The 110,000-volt line from Sidney transformer station 65.64 miles to Oshawa transformer station was placed in service at 110,000 volts.

CENTRAL DISTRICT:—A 44,000-volt line was built from Ranney Falls generating station 25.74 miles to Auburn switching station.

A 44,000-volt line was built from Weller Bay junction 8.53 miles to Mountain View airport for the Dominion Government.

A 44,000-volt line was built from Whitby municipal station 4.60 miles to the plant of Defence Industries Limited at Pickering for that Company.

A 44,000-volt circuit was erected on poles owned by the Peterboro Utilities Commission from Peterboro municipal station No. 1, 0.52 mile to the Canadian General Electric Company.

The 11,000-volt line from Fenelon Falls generating station 13.64 miles to Lindsay distributing station was relocated.

The sky wire was removed from the 44,000-volt line Old Pulp Mill junction 15.50 miles to Stirling municipal station.

The sky wire was removed from the 44,000-volt line G.B. junction 13.46 miles to Belleville switching station.

The sky wire was removed from the 44,000-volt line Madoc switching station 9.60 miles to Madoc distributing station.

The sky wire was renewed for 0.67 mile on the 44,000-volt line Seymour generating station 1.20 miles to Old Pulp Mill junction; the balance was removed.

The 6,600-volt circuit from Auburn generating station 0.10 mile to Dominion Woollen Mills was removed.

MADAWASKA DISTRICT:—A 33,000-volt line was built from Calabogie junction 6.45 miles to Barrett Chute development.

The 11,000-volt line from Galetta generating station 6.25 miles to Arnprior distributing station was removed.

### NORTHERN ONTARIO PROPERTIES

ABITIBI DISTRICT:—A 26,400-volt line was built from Larder Lake transformer station 9.92 miles to Yama Gold Mines Limited.

A 26,400-volt line was built from Broulan Porcupine Mines Limited 0.60 mile to Bonetal Gold Mines Limited.

A 26,400-volt line was built from Shiningtree transformer station 41.60 miles to Jerome Gold Mines Limited.

The 26,400-volt line from Ramore transformer station to Hollinger Consolidated Gold Mines Limited (Ross Mine) was extended 0.23 mile to the new mine station.

The 26,400-volt line from Paymaster Consolidated Gold Mines Limited to Simpson Lake junction was relocated for 0.10 mile.

SUDBURY DISTRICT:—The 22,000-volt line from Neelon junction was extended 0.69 mile to Sudbury distributing station No. 2.

The 22,000-volt line from Sudbury distributing station No. 1 was extended 0.66 mile to Sudbury distributing station No. 2.

The 22,000-volt line from Coniston generating station to Sudbury distributing station No. 1 was relocated for 1.08 miles.

NIPISSING DISTRICT:—The 22,000-volt line from Callander junction 0.07 mile to Canadian Timber Company Limited was removed.

## TELEPHONE LINES—ALL SYSTEMS

In the Niagara system, portions of the line from Dundas transformer station to Sheridan junction were rebuilt for a distance of 14.5 miles. The single circuit, which is carried on transmission line poles a distance of 9.5 miles from Sharon distributing station to Keswick junction, was completely rebuilt. Part of the line from London transformer station to St. Thomas transformer station was rebuilt, a distance of 2.2 miles. The single circuit from Stratford transformer station to St. Marys transformer station was rebuilt, a distance of 14.2 miles. Portions of the line from St. Thomas transformer station to Kent transformer station, totalling approximately 10 miles, were completely rebuilt. A portion of the line from Erbs junction to Stratford transformer station, 3.7 miles in length, was relocated and rebuilt.

A single circuit was erected on the 13,000-volt transmission line poles from Preston transformer station 4.80 miles to Centreville distributing station. A single circuit was erected on 26,000-volt transmission line poles from St. Clair transformer station 5.70 miles to Corunna distributing station. A single circuit was erected on the 13,000-volt transmission line poles from Interlake Tissue Mills 3.26 miles to St. Catharines (Vine street) station.

A single circuit was erected for the Dominion Government on 26,000-volt transmission line poles from Oneida junction 5.03 miles to the R.C.A.F. flying school at Hagersville. Also a single circuit was erected on 26,000-volt transmission line poles from Hullett junction 2.79 miles to Clinton R.C.A.F. wireless school.

For the purpose of control and telephone service, a 45-pair, paper-insulated, lead-covered cable was installed from Bridgman-Davenport transformer station 3 miles to Wiltshire transformer station. A 52-pair, paper-insulated, lead-covered cable was installed from Atlas Steels transformer station 2.89 miles to Crowland transformer station.

Telephone line carrier installations were made for operation between Niagara transformer station and Wiltshire transformer station and between London transformer station and Wiltshire transformer station.

In the Georgian Bay system, a single circuit was erected, partly on 44,000-volt transmission line poles, from Big Eddy generating station a distance of 40.9 miles to Canadian Industries Limited at Nobel. Portions of the line between Painswick distributing station and Fergusonvale switching station totalling 3.2 miles were re-routed, and two new circuits were erected on 38,000-volt transmission line poles for a distance of 1.02 miles from Barrie junction to Barrie distributing station.

In the Eastern Ontario system, the line from Sidney transformer station to Belleville switching station was rebuilt, a distance of approximately 12 miles. A four-circuit line was rebuilt and a 35-pair cable was installed from Port Hope distributing station 700 feet to Port Hope switching station.

A double circuit was erected on 33,000-volt transmission line poles from Calabogie generating station 6.80 miles to the new Barrett Chute development. A single circuit was erected from Smiths Falls transformer station 1.1 miles to the Smiths Falls field office. A single circuit was erected from Winchester distributing station a distance of 1.3 miles to the Winchester rural office. A single circuit was erected on 11,000-volt transmission line poles a distance of 13.64 miles between Fenelon Falls generating station and Lindsay transformer station. A double circuit was erected from Oshawa transformer station 1.16 miles to Oshawa distributing station No. 1. A single circuit was erected from Oshawa distributing station No. 2 a distance of 5.86 miles to Brooklin and Brinlock junctions.

A single circuit was constructed for the Dominion Government on 44,000-volt transmission line poles from Weller Bay junction 8.43 miles to Mountain View airport.

A 19-pair, paper-insulated, lead-covered cable was erected from Oshawa transformer station a distance of 1.16 miles to Oshawa distributing station No. 1.

Telephone line carrier installations were made for operation between Smiths Falls transformer station and Ottawa transformer station.

In the Northern Ontario Properties, a single circuit was erected on 26,000-volt transmission line poles from Larder Lake transformer station 9.92 miles to Yama Gold Mines Limited. A single circuit was erected on 26,000-volt transmission line poles from Shiningtree transformer station 41.60 miles to Jerome Gold Mines Limited. A three-circuit line was erected from Kirkland Lake transformer station a distance of 1.37 miles to Kirkland Lake switching station. A single circuit was erected on 22,000-volt transmission line poles from Sudbury distributing station No. 1 a distance of 2.26 miles to the new Sudbury distributing station No. 2.

The single circuit on 22,000-volt transmission line poles was restrung from Minnow Lake diversion 4.6 miles to Sudbury distributing station No. 1.

## DISTRIBUTION LINES AND SYSTEMS IN RURAL POWER DISTRICTS

The following summary shows the mileage of distribution lines constructed by the Commission in rural power districts and the number of consumers served.

The summary indicates a total construction during the year of 771 miles of new primary line completed and giving service to 8,896 additional consumers.

### SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

System and district	At October 31, 1940		At October 31, 1941					
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line			Number of consumers		
			Constructed	Under construction or authorized	Total	Receiving service	Authorized	Total
NIAGARA SYSTEM.....	11,372.68	76,123	11,736.46	42.77	11,779.23	81,088	155	81,243
GEORGIAN BAY SYSTEM	2,878.10	17,200	3,049.59	13.71	3,063.30	18,487	18	18,505
Severn district.....	854.12	6,841	628.63	2.49	631.12	4,492	6	4,498
Eugenia district....	1,041.19	4,315	1,134.63	9.56	1,144.19	4,730	2	4,732
Wasdells district....	431.69	2,913	452.03	.40	452.43	3,076	4	3,080
Muskoka district...	361.52	2,043	367.34	.08	367.42	2,165	1	2,166
Bala district.....	101.43	629	108.50	.0	108.50	678	0	678
System R.P.D.'s....	88.15	459	358.46	1.18	359.64	3,346	5	3,351
EASTERN ONTARIO								
SYSTEM.....	4,448.06	25,305	4,618.54	18.66	4,637.20	26,962	80	27,042
Central district....	2,650.39	15,262	2,757.21	10.57	2,767.78	16,327	49	16,376
St. Lawrence district	1,024.79	5,310	1,064.97	4.64	1,069.61	5,600	20	5,620
Rideau district.....	271.66	1,410	279.59	.20	279.79	1,474	1	1,475
Madawaska district..	149.52	1,125	155.82	1.12	156.94	1,228	1	1,229
Ottawa district.....	271.69	1,768	280.90	2.13	283.03	1,859	9	1,868
System R.P.D.'s....	80.05	430	80.05	.0	80.05	474	0	474
THUNDER BAY SYSTEM	273.18	1,134	286.16	6.20	292.36	1,313	17	1,330
NORTHERN ONTARIO								
PROPERTIES.....	279.09	2,596	331.88	.0	331.88	3,404	0	3,404
Abitibi district....	41.00	143	53.04	.0	53.04	254	0	254
Manitoulin district..	141.55	637	162.16	.0	162.16	956	0	956
Sudbury district....	14.34	1,000	28.50	.0	28.50	1,286	0	1,286
Nipissing district..	82.20	816	88.18	.0	88.18	909	0	909
Totals.....	19,251.11	122,358	20,022.63	81.34	20,103.97	131,254	270	131,524



## SECTION VII

### TESTING—RESEARCH—INSPECTION

#### PRODUCTION AND SERVICE

THE Laboratories were active in research studies and investigations, routine testing and factory inspection, in examination and testing of electrical appliances for the safety of the public, and in war work.

With the continuance of the war, the value of research work has increased greatly and become one of the more important factors in the defence preparations of the Empire. The Commission has contributed to the war effort through the Laboratory staff and through its research activities in important construction and operation problems. Several members of the Laboratory staff have been released to the Government for special war research work.

One research project resulted in the development of devices to minimize harmful vibration of line conductors and thus make possible a reduction in the cost of building high-tension lines and an appreciable extension of the life of line conductors.

Problems in the use of concrete were investigated and new methods of test adapted to obtain further information regarding the magnitude of stresses in concrete structures. The disintegration of concrete and cracking caused by thermal effects continued to be important subjects of research.

Radio interference was studied with a view to improving conditions for broadcast listeners, and new instruments of high sensitivity were provided for use in these investigations.

The inspection service of the Laboratories is continuously in demand and the staff is active in ensuring that the equipment purchased by the Commission will have the desired operating characteristics and the highest possible efficiency. Priority regulations have increased the work required to prevent delays.

The Approvals Laboratory continued testing devices and fittings as agent of the Canadian Engineering Standards Association, and has effectively co-operated with the Electrical Inspection department to ensure protection against electric shock and fire, and to keep accidents in the Province at a minimum. Due to limitations in production of electrical equipment under war regulations, the volume of work decreased.

The photographic, blue-printing and photostat branches handled a larger amount of work. In August, their equipment and staffs were transferred to a more central location.

## TESTING AND RESEARCH LABORATORIES

### Routing and General Testing

The Laboratories each year conduct routine tests on many products and materials and inspect various equipment for the Commission and for the associated municipal Hydro utilities, during manufacture, after completion in the factory, and when erected. These services ensure a high quality in material and workmanship leading to satisfactory operation and low maintenance expense.

### Materials and Equipment Inspection

#### Transmission Line Materials

A large quantity of transmission line materials including crossarms, insulator pins, brackets, clamps, general hardware, wire and cable was inspected. The amount of copper wire, steel reinforced aluminum and galvanized steel cable inspected was 4,972 tons, about 23 per cent more than in the previous year. Due to the necessity of conserving aluminum for war purposes the production of aluminum cable ceased about March 1941.

Vibration dampers for use on two new long transmission lines were an important part of the inspection work.

#### Electrical Equipment

Factory inspection was made and electrical tests witnessed on 248 transformers, with a total capacity of 385,229 kv-a. The number of oil circuit-breakers tested, 98, increased by 42 per cent, and their total capacity, 6,277,801 kv-a, was nearly 70 per cent higher. The high-voltage disconnecting switches inspected numbered 208 with a total capacity of 47,975,000 kv-a, more than three times the capacity inspected in the previous year. Also, there were inspected 3,640 low-voltage fused switches and cutouts with capacity amounting to 1,304,000 kv-a. The large increases are due to the construction of new transformer and switching stations.

There was a small increase in the number of distribution transformers tested; the total was 3,024 units. Line and bus insulators to the total of 278,000, value \$409,100, were inspected at the factory and tests witnessed. About 36 per cent of these were suspension types. Inspection also included metal-clad switchgear and unit substations for twelve installations.

Gradient tests were made on about 12,000 transformer and oil circuit-breaker bushings, and insulators in position on the equipment. This is nearly three and one-half times the number tested in the previous year. The testing of bushings by this method undoubtedly is reducing the number of

interruptions and also, by finding faults which can be repaired more cheaply than if delayed until the bushings have failed, is saving much expense.

Routine tests were made in the Laboratories on 6,196 pairs of linemen's gloves, 3,136 samples of insulating oil, 1,256 instrument and distribution transformers, 206 thermostats, and 12,000 insulators. These numbers represent a small increase. A total of 6,464 watthour meters were repaired and checked, and 113 indicating instruments calibrated.

#### **Mechanical and Structural Equipment**

In addition to the examination of welding and other features in the fabrication of the tanks for the large number of power transformers and oil circuit-breakers tested, four turbines, five generators and two penstocks were inspected. Upon request, the Laboratories undertook the inspection of 48 welded tanks for a transformer manufacturer, and also examined 198 lighting standards for the Department of Highways. Ten welded oil storage tanks, sixteen street car axles and a variety of equipment for new transformer and generating stations were inspected. Welding and painting were given special attention.

#### **Concrete**

Seven resident concrete inspectors, eight other inspectors and two part-time assistants were stationed on eight construction projects. Their duties were the testing of aggregates, supervising the processes and checking generally the quality of the concrete.

Field inspection of one structure at Lakefield was made in order to observe any deterioration and apply remedial measures.

Field surveys for materials required for construction were made at six sites:—Waboose, Summit, Zig Zag, Jack Fish, Tomiko and DeCew Falls.

#### **Protective Coatings**

Paints and other protective coatings for use on the Commission's structures were studied, and 94 samples tested for quality. The weatherometer for accelerated weathering tests was used extensively.

#### **Steel and Timber**

Steel inspected this year amounted to 7,744 tons, practically all of which was for new stations and transmission lines. A total of 8,000 pine and cedar poles was examined with less than one per cent rejected as unsuitable for the Commission's use.

#### **Lamps and Lighting Equipment**

Factory examination and testing included 70,864 lamps, and at the Laboratory 4,813 life tests were completed. Direction and reflex signals, fog lamps and other automobile equipment were tested for the Department of Highways. About fifty samples of paint were tested for baking by infra-red rays, the new equipment for this purpose finding increasing application for industrial use. Several foot-candle meters were calibrated and a number of candle-power distribution tests completed.



## Research

Research problems are studied in the laboratories and in the field. Tests and investigations obtain definite and reliable information on the quality of materials and the characteristics and behaviour of equipment. They ensure continuity of service at high efficiency and thus keep cost of operation at a minimum.

### Vibration of Transmission Line Conductors

This research has been of great value in the design of power transmission lines to avoid vibration fatigue.

Two papers on the theory of conductor vibration, and its measurement and control, were presented at the Summer Convention in Toronto of the American Institute of Electrical Engineers.

Field studies were made in regard, chiefly, to the protection of the hollow-core copper conductors installed on the new Leaside-Burlington 220,000-volt transmission line. Laboratory work was a continuation of the study of the fatigue and physical characteristics of aluminum, steel and copper wire and conductors, and included stress and curvature measurements on the new hollow-core conductors. Details for the designs of torsional dampers for use with this type of conductor, for ground wire and for 605,000 circular-mil steel-reinforced aluminum cable were submitted to the transmission engineers.

Three fatigue testing machines for wire were in continuous use and a fourth unit was added late in the year.

Two vibration test spans for use by the Laboratories, were installed in the basement of Strachan Avenue transformer station. These allow testing to be conducted in all seasons and without regard to weather conditions.

### Electrical Insulation

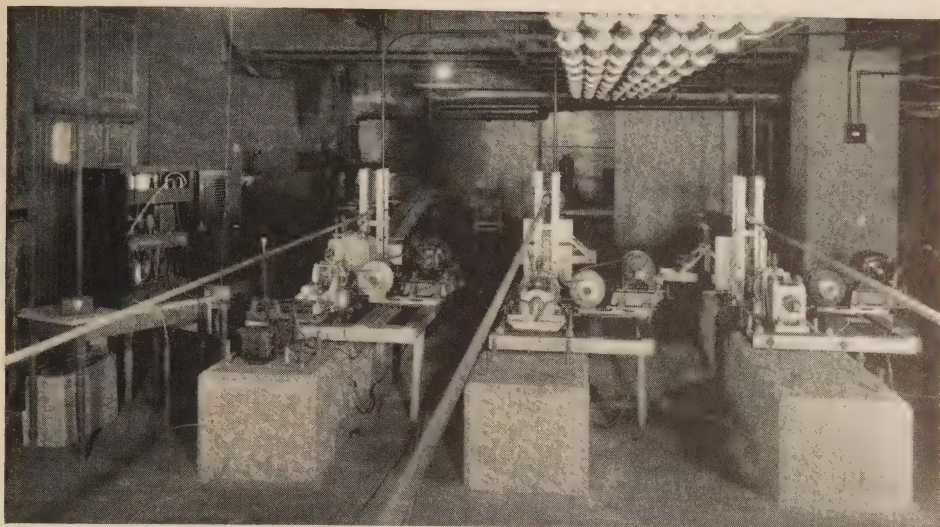
Considerable attention was given to the problem of locating faults in rural underground cable. Tests were made using audio-frequency currents which may readily be detected, and also with the Kenotron for high-voltage investigations. Impulse testing equipment was assembled to study the behaviour of lightning arresters.

### Remote Control of Loads

A large amount of information has been obtained as a result of experience with installations for the remote control of loads, in their trial period. These data have been compiled to assist any municipalities which may desire to install remote control systems for electric water heaters, lighting loads, etc., to reduce peak load demands.

### Radio Interference

Laboratory tests were made on equipment suspected of producing radio interference and also on low-voltage appliances. The causes of interference were studied and methods devised for eliminating or reducing the trouble.



#### FATIGUE TESTS ON POWER CONDUCTORS

Cables in centre and at the right are vibrated by mechanical generators having eccentrically-weighted flywheels. For the cable at the left, the electro-magnetic vibration generator and control equipment are used

Field tests were made on several power lines. During the year, members of the staff have co-operated closely with the Department of Transport and the Canadian Engineering Standards Association in studies of interference suppression.

#### Electronic Applications

Communication tests were made over a distance of eighty miles using carrier frequency on telephone circuits. Important information was obtained for comparison of types of conductors and grounded or ungrounded return circuits.

Studies of communication with patrol trucks were undertaken and the equipment of one manufacture was successfully demonstrated to the Commission's engineers.

#### Domestic Hot Water Tanks and Heaters

Tests on experimental hot water tanks and heating elements were continued and a special iron tank with vitreous enamel lining was installed. This investigation is producing valuable results contributing to longer life in both elements and tanks. Immersion and strap-on types of heater were tested and studies were made of deterioration and scale formation.

#### Electric Welding

Investigations were conducted on methods of measuring stresses in welded joints and the effects of stress relieving in reducing the magnitude of initial stresses created by the welding operation. These studies are proving of value in ensuring reliable welded joints.



### **Masonry Materials**

A large part of the year was devoted to study of mass concrete problems in regard to dams. Extensive tests were made during the construction of the dam at Barrett Chute to investigate factors that influence cracking. Further work of an exploratory nature was done at Chats Falls where cores were being removed. Investigations included tests on absorptive form linings, protection of concrete during cold weather and measurement of its physical and thermal properties.

Durability tests were made on freezing and thawing of concrete, and means of measuring disintegration were studied. Some work was done on methods of curing using special mats for covering decks and slabs. Various other problems were studied with a view to improving durability of concrete structures.

### **Paints and Protective Coatings**

A number of different samples of paint were tested to determine their quality for the Commission's use, and studies were continued on certain finishes for underground exposure. A special non-skid floor paint was tested and work done on a rubber asphalt emulsion for expansion joints.

Comparative tests were made on materials for lubricating and protecting lead-covered cable while it is being drawn through ducts.

### **Petroleum Products**

Experiments were run on the diffusion of air through oil and on gravity circulation of oil through special earths to reduce acid and sludging. Tests were completed on the deteriorating effect of sunlight on insulating oils and it was found that amber glass is of some value in lessening this action. Co-operative work with the American Society for Testing Materials was continued in an attempt to establish standard procedure for determining the sludging properties of oils.

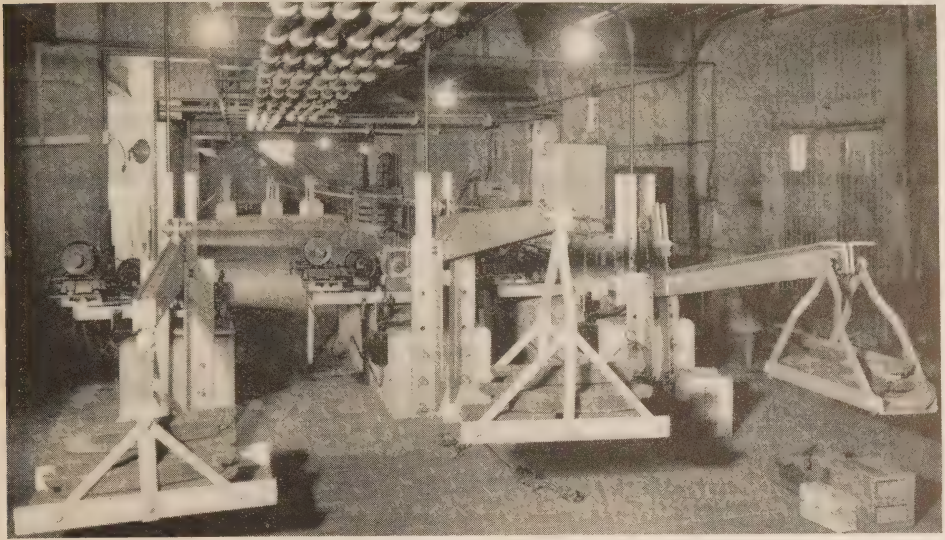
### **Treatment of Wooden Transmission Structures**

A large number of poles previously equipped with sand creosote collars were retreated during the summer. This method of preventing deterioration at the ground line has been applied to nearly 400,000 poles and has proved very successful. Various ground-line preservatives are being tested over a period of time in specially selected test beds at different places.

### **Joints in Electrical Conductors**

Life tests were made on sample joints in steel-reinforced aluminum cable, and special joints were designed for important new transmission lines. A number of defective joints in older power lines were repaired. The deterioration of thirty-six specimen joints in electrical conductors has been under observation at the Laboratories for several years and valuable information on the resistance changes in different joints is being obtained.





#### VIBRATION OF LINE CONDUCTORS

Conductors maintained at constant tension on hundred-foot spans are vibrated to determine the fatigue life for various intensities of stress at the point of clamping

#### Grounding

The general problems of grounding transformer cases and pole line hardware were studied, and further attention was given to the subject of transformer and consumer grounds, particularly in rock country such as the region of Tobermory.

#### Miscellaneous Research

In addition to the specific investigations undertaken by research sub-committees, many other studies were carried on. New equipment was installed for the study of soil mechanics. X-ray investigations were made on a variety of test specimens, materials and products for use in the field. Drying by the use of infra-red rays was studied with a view to making recommendations to manufacturers for installations of equipment to dry paints and enamels. A number of investigations were made on different materials and processes used by manufacturers in power equipment produced for the Commission and several problems regarding methods of assembly and electrical testing were solved.

#### New Equipment

A number of items of new testing equipment were designed and built at the Laboratories. These included a special viewing cabinet for X-ray fluoroscopic studies, an extensometer for measuring the strain in wire samples, a new electronic drive for vibrating fatigue test spans, two portable testing

panels for watthour meters, a test cell for measurement of power factor of oil and other liquid insulation, two sieving machines, and soil testing equipment for determining the physical properties of earth dam materials.

Several new instruments and other test equipment were purchased and installed, the most important items being three recording thermometers, a bridge for measuring power factor and capacity of insulation, an instrument for locating the source of radio interference, X-ray equipment for examination of cable joints and metal parts, refrigeration equipment for low temperature tests on concrete specimens, a second oxygen bomb for test of rubber insulation, special motor generator sets for meter testing and for locating faults in underground cables, a viscosimeter for testing the viscosity of oils, a self-regulating transformer for meter calibration, a fourth fatigue testing machine for wire, a concrete mixer and electric vibrator, a saw for cutting rock and concrete, a half-ton chain block and a 400,000-pound compression testing machine for field use.

#### Specifications and Committee Work

Members of the Laboratories' staff attended meetings and conferences of a number of organizations and assisted in the preparation of specifications and other committee activities. These organizations included: Canadian Engineering Standards Association, National Research Council, Engineering Institute of Canada, American Institute of Electrical Engineers, American Concrete Institute, American Society for Testing Materials, Radio Manufacturers Association, The Ontario Municipal Electric Association, and The Association of Municipal Electrical Utilities.

### APPROVALS LABORATORY

This section of the Laboratories has continued to function as part of the Canadian Engineering Standards Association in carrying on approvals testing and factory re-examination of electrical equipment in all parts of Canada, and for many manufacturers in the United States who have applied for approval under the Canadian Electrical Code in order to sell their products in Canada. The Approvals engineer attended the meetings of the administrative board of the Approvals division which were held in Toronto, Ottawa and Montreal.

The testing work of this laboratory decreased but the number of labels sold was about 38 per cent greater than in the previous year. This increase was all in insulated wire, cable, cord and rigid conduit, and was largely due to the heavy building programmes for war industry plants and for war-time housing schemes.

The lower number of applications for approval was most noticeable in electrically-heated appliances and in radio, sound and picture equipment, and evidently was the effect of enforcement of federal legislation designed to conserve foreign exchange and the spending of income on luxuries.



## ELECTRICAL INSPECTION DEPARTMENT

The department handled the largest volume of work since it was organized 26 years ago. A larger number of inspections was made in plants directly connected with the war effort, due to the fact that some of the major projects were not in an advanced stage of production in 1940.

### Statistical

A total of 120,717 permits was issued, an increase of 1.2 per cent over the previous year, and 213,636 inspections were made, about the same number as in 1940.

### Fires Attributed to Electricity

In making routine investigations of fires reported during the year as having been caused through defective wiring and equipment, seven were found to have originated from this source. The evident causes were, an iron left in circuit unattended, a defective switch in a fixture, incandescent lamps in contact with waste material and with a plywood panel, short circuits in a supply line and in flexible cord, one short circuit caused by a rodent, and a loose connection in a terminal box.

Some other fires, attributed to electrical causes before investigation, may have originated in electric wiring or equipment but the evidence available, considering the extent of the fires, would not substantiate such a finding.

### Electrocutions and Fatal Accidents

Four persons lost their lives through coming into contact with electric wiring and equipment in the Province. Three were electrocuted, a carpenter touched open live parts on an elevator control panel, a millwright made contact with a poorly insulated section of a secondary power feeder, and an engineer, making repairs inside a steam boiler, became connected between a defective extension light and the grounded metal. In the fourth accident, a child died from burns received when her night clothes were ignited through contact with a portable electric air heater.

### Ground Tests

A total of 2,511 ground resistance tests were made in isolated communities and rural districts.

### Infractions of Regulations

Thirty-two persons and companies were prosecuted for infractions of the rules and regulations governing the installation, sale and disposal of electric wiring and equipment.

### The Canadian Electrical Code

Engineers of the Canadian Engineering Standards Association, and members of the Engineering department and Electrical Inspection staff



attended twenty meetings and assisted in compiling and revising sections of Parts I, II and IV of the Code.

The work associated with Part I of the Code, on Electrical Installations, includes the issuing of interim revisions and interpretations and attending meetings of the Central Committee. That associated with Part II, on Approval Specifications for Electrical Equipment, involves the preparation of draft specifications and includes meetings with Part II Committee. The work on Part IV, on Radio Interference, includes the preparation of drafts of sections of specifications which will be a code of good practice so far as the suppression of radio interference is concerned. This work also includes attendance at meetings of the Committee on Part IV and meetings of panels and sub-panels of the Main Committee.

Considerable attention was given to the preparation and editing of galley and page-proof forms for the Part I and Main Committees and in compiling final preliminary drafts for the Part II Committee. Thirteen new and revised specifications of Part II were issued and twenty-five other specifications were advanced. Work was started on seven new specifications or editions thereof and in three instances these reached galley or page-proof form. A large amount of secretarial work was necessary on the preliminary draft stages of other specifications.

### PRODUCTION AND SERVICE DEPARTMENT

The volume of work done in the machine shop, carpenter shop and garage continued to increase, the 1941 operations being 15 per cent in excess of those of the previous year, and 36 per cent more than they were two years before. In addition the facilities of the machine shop were placed at the disposal of the Public Utilities Wartime Workshop Board for the purpose of relieving congestion in branches of war industry.

A total of 1,789 orders was completed by the machine and carpenter shops. The work of the garage included overhauling 69 trucks, reconditioning 24 items of gasoline-driven equipment for the Construction department, and completing 935 orders for miscellaneous truck repairs. The policy of regularly and systematically inspecting the Commission's fleet of 359 trucks was continued.

Motor vehicles and other equipment purchased included 63 trucks and 6 trailers. Of the trucks, 33 were replacements and the remaining 30 were additions to the fleet. The mileage operated by the fleet this year was approximately 3,400,000 miles.

### PHOTOGRAPHY, PHOTOSTAT AND BLUE PRINTING

The work of this department increased in all branches. Photographic orders totalled 875, or 18 per cent more than last year. Blue print orders were 8,281, an increase of 15 per cent; 126,422 prints were made. The orders for photostat prints amounted to 680, an increase of 12 per cent, requiring 9,316 prints.

SECTION VIII

ELECTRIC RAILWAYS

THE HAMILTON STREET RAILWAY COMPANY

A Subsidiary of The Hydro-Electric Power Commission of Ontario—  
Niagara System

Gross earnings on the Hamilton Street Railway for the year 1941 increased 21.52 per cent. Operating expenses (including taxes) increased 22.88 per cent. The result was an increase in net earnings of \$22,642. The increase in net earnings was due to improved industrial conditions.

The balance sheet and income account are given at the end of Section IX.

Operating results are summarized and compared in the following tabulation and chart.

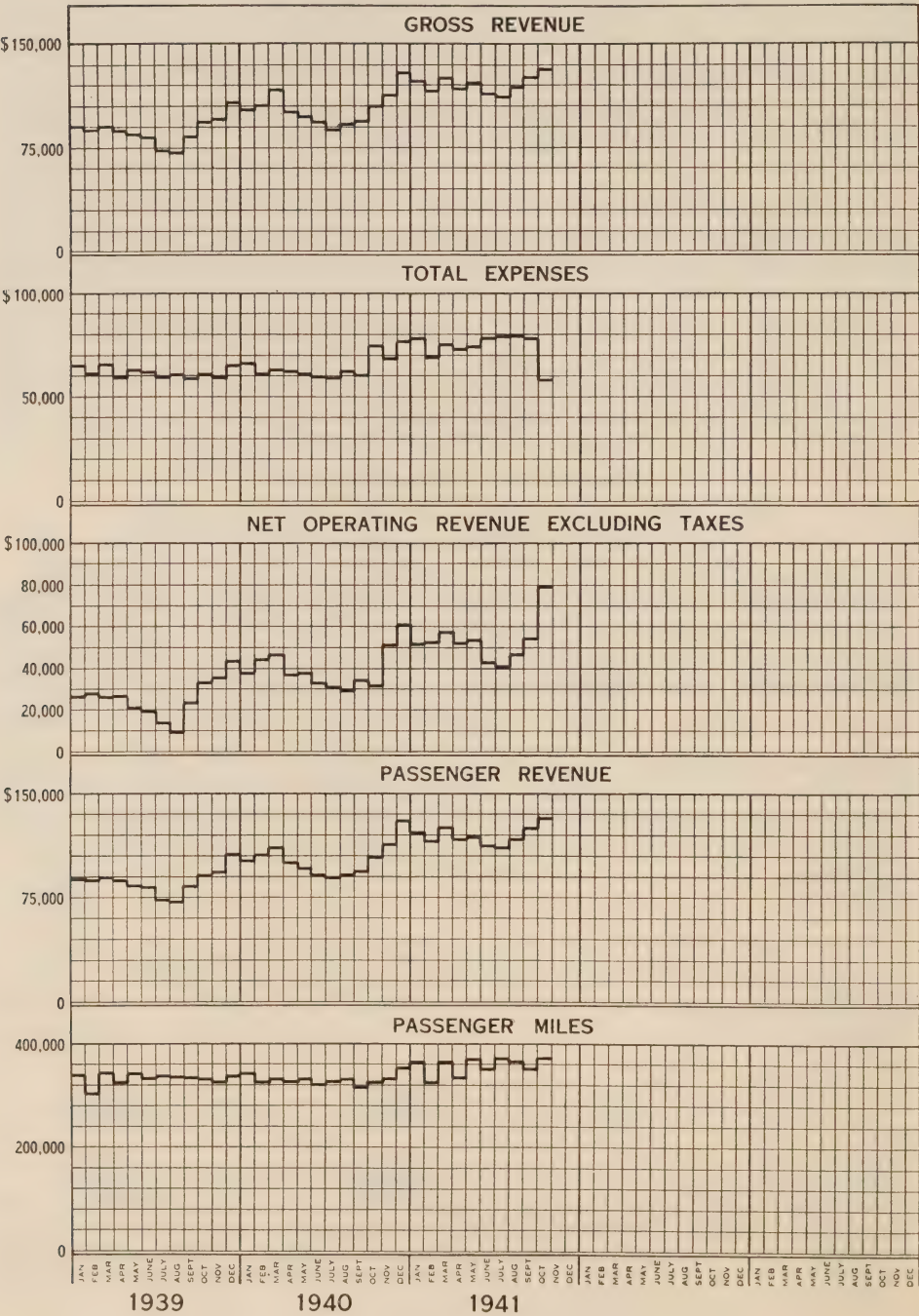
HAMILTON STREET RAILWAY  
Comparative Operating Statistics

	Street-cars \$	1940 Buses \$	Total \$	Street-cars \$	1941 Buses \$	Total \$
Operating revenues:						
Transportation.....	897,081	283,622	1,180,703	1,008,496	428,050	1,436,546
Other operations.....	11,363	641	12,004	12,057	810	12,867
Operating revenue.....	908,444	284,263	1,192,707	1,020,553	428,860	1,449,413
Operating expenses.....	808,290	214,676	1,022,966	954,481	302,549	1,257,030
Net revenue for year.....	100,154	69,587	169,741	66,072	126,311	192,383
Appropriation for dividend.....			177,228			177,228
Surplus for year.....			7,487*			15,155

	1940	1941
Route-miles:		
Street-car.....	27.97	18.44
Bus.....	16.57	20.41
Total.....	44.54	38.85
Track-miles.....	42.62	42.62
Passenger cars operated:		
Passenger cars.....	68	70
Passenger buses.....	36	50
Car-miles operated:		
Passenger cars.....	2,463,090	2,309,731
Passenger buses.....	1,519,695	1,950,931
Car-hours operated:		
Passenger cars.....	262,885	250,625
Passenger buses.....	124,624	162,943
Passengers carried.....	21,806,817	26,396,511
Percentage of transfer passengers to revenue passengers.....	18.9%	21.95%

\*Deficit.

THE HAMILTON STREET RAILWAY COMPANY  
OPERATING STATISTICS





## SECTION IX

### FINANCIAL STATEMENTS

Relating to

**Properties Operated by The Hydro-Electric Power Commission in the  
Niagara, Georgian Bay, Eastern Ontario and Thunder Bay  
Systems on Behalf of Municipalities**

and to

**Northern Ontario Properties Held and Operated by the Commission  
in Trust for the Province of Ontario, and**

**The Hamilton Street Railway Company—A Subsidiary of  
Niagara System**

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**I**N this section of the Report financial statements relating to the activities of The Hydro-Electric Power Commission, segregated into certain distinct divisions, are presented. The first division relates to those activities on behalf of the co-operative municipalities, which are partners in the main "Hydro" undertaking comprising the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems. The second relates to the administration of the Northern Ontario Properties which are held and operated by the Commission in trust for the Province of Ontario. The third relates to The Hamilton Street Railway Company, a subsidiary of the Niagara system.

#### Co-operative Systems

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the "Hydro" undertaking in supplying electrical service at cost, and to the *wholesale* and *retail* aspects of the work. A description is also given of the several systems into which the partner municipalities are co-ordinated for securing common action with respect to power supplies, through the medium of The Hydro-Electric Power Commission which, under The Power Commission Act, functions as their Trustee.

Although for the purpose of financial administration the various systems are separate units, there is a similarity of procedure with respect to their operation which enables certain financial statements, as for example the various reserves, to be co-ordinated and presented in summary tables.

The first set of tables in Section IX gives collective results for the co-operative activities related to the four systems. These tables include a **balance sheet; a statement of operation and cost distribution** as detailed in the "cost of power" tables referred to below; schedules respecting **fixed assets, capital expenditures and grants—rural power districts, power accounts receivable, funded debt issued or assumed, renewals reserves, contingencies and obsolescence reserves, stabilization of rates reserves, sinking fund reserves** and the account with the Provincial Treasurer of the Province of Ontario.

The tables which follow these general financial statements relate more particularly to the individual municipality's aspects of the wholesale activities of the Commission and for each system show the **cost of power** to the individual municipal utilities, the **credit or debit** adjustment that is made at the end of the fiscal year, and the **sinking fund** equity that has been acquired by the individual municipality. There is also included for each system a **rural operating** statement.

The charges for power supplied by the Commission to the various municipalities vary with the amounts of power used, the distances from the sources of supply and other factors. The entire capital cost of the various power developments and transmission systems is annually allocated to the connected municipalities and other wholesale power consumers, according to the relative use made of the lines and equipment. Each municipality assumes responsibility for that portion of property employed in providing and transmitting power for its use, together with such expenses—including the cost of purchased power if any—as are incidental to the provision and delivery of its wholesale power. The annual expenses and the appropriations for reserves are provided out of revenues collected in respect of such power, through the medium of power bills rendered by the Commission. The municipalities are billed at an estimated interim rate each month during the year and credit or debit adjustment is made at the end of the year,\* when the Commission's books are closed and the actual cost payable by each municipality for power taken has been determined.

Included in the municipality's remittance to the Commission for the wholesale cost of power—besides such current expenses as those for operation and maintenance of plant, for administration, and for interest on capital—are sums required to build up reserves for sinking fund, for renewals, for contingencies and obsolescence, and for stabilization of rates. The first-mentioned reserve, namely, sinking fund, is being created on a 40-year basis for the purpose of liquidating capital liabilities. The other reserves are, respectively, being created to provide funds for the replacing or rebuilding of plant as it wears out, to enable the undertaking to replace existing equipment with improved equipment as it become available through advances in science and invention, and to meet unforeseen expenses which from time to time may arise.

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\*The financial year for the Commission ends on October 31. The financial year for the municipal electric utilities, however, ends on December 31, and the municipal accounts are made up to this date, and so recorded in Section X.

The ultimate source of all revenue to meet costs—whether for the larger operations of The Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. Out of the total revenue collected by each municipal utility from its consumers for service supplied, only an amount sufficient to pay the wholesale cost of power supplied by the Commission as outlined above is remitted to the Commission; the balance of municipal electrical revenue is retained to pay for the expense incurred by the local utility in distributing the electrical energy to its consumers.

### Tabular Data

The following comments relate to the tabular data presented:

**Balance Sheet.**—The first tabular statement given in Section IX is a balance sheet showing the assets, and the liabilities of the several co-operative systems.

**Statement of Operation and Cost Distributions.**—This statement is a summary of operating expenses and fixed charges as shown in the “cost of power” tables relating to the individual systems as referred to more particularly below.

**Fixed Assets.**—Details are given concerning the various fixed assets of each system and of the miscellaneous properties, whilst similar details are shown of the capital expenditures for the year ended October 31, 1941.

**Capital Expenditures and Grants—Rural Power Districts.**—This schedule gives summary information respecting the total capital expenditures on rural power districts and grants-in-aid of construction paid or payable by the Province with respect to such rural districts.

**Power Accounts Receivable.**—This schedule sets forth the amounts collectable from all classes of power consumers and includes the annual adjustment figures from the “credit or charge” statements for municipalities. The main details of those debit balances three months or more overdue are stated.

**Funded Debt Issued or Assumed.**—This schedule presents a complete list of the securities issued or assumed by the Commission on account of the several systems, and the Northern Ontario Properties. It should be noted that where securities have been issued to finance properties operated for others, this liability is only shown in memorandum form on the balance sheet of the Commission, whilst the direct liability is shown on the balance sheets of the Northern Ontario Properties.



**Renewals Reserves,  
Contingencies and Obsolescence Reserves, and  
Stabilization of Rates Reserves.**

These schedules show the provisions made to, the expenditures from, and the balance to the credit of, these reserves for each of the systems and other properties included in the power undertakings operated on a cost basis.

**Sinking Fund Reserves.**—This schedule summarizes the appropriation of principal and interest with respect to these reserves for each of the systems and certain other properties.

**Account with the Provincial Treasurer.**—This schedule lists, both for the Niagara and other systems operated on a cost basis, and for the Northern Ontario Properties which are held and operated by the Commission in trust for the Province, the advances from the Province of Ontario and the repayments which have been applied to reduce this liability. It should be noted that Provincial advances to finance Northern Ontario Properties are shown in memorandum form only on the balance sheet of the Commission as the direct liability is carried on the Northern Ontario Properties' balance sheet.

Following these statements, which are common to all systems, there are given for each of the individual co-operative systems four tabular statements as follows:

**Cost of Power** statement, which shows the apportionment to each municipality of the items of cost summarized in the operating account, as well as the apportionment of fixed assets in service listed in the balance sheet and the amount of power taken by each municipality. It should be noted that the cost of power given in this table is the wholesale cost—that is, the cost which the Commission receives for the power delivered from the main transformer stations serving the local utility. In the case of municipal electrical utilities not directly administered by the Commission, the respective costs of power appear in Statement "B" of Section X as "power purchased".

**Credit or Charge** statement, which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service. The credits and charges for the municipal electric utilities are taken up and given effect to in the accounts of "Hydro" utilities.

**Sinking Fund** statement, which gives the accumulated total of the amounts paid by each municipality as part of the cost of power together with its proportionate share of other sinking funds.

**Rural Operating** statement, which summarizes for the rural power districts of the system the various items of cost, and the revenues received, in connection with the distribution of electrical energy to rural consumers.

### **Northern Ontario Properties**

The statements and schedules respecting these properties which are held and operated by the Commission in trust for the Province of Ontario include the balance sheet, operating and income accounts, schedules of fixed assets, renewals reserves, contingencies and obsolescence reserves, and sinking fund reserves. These schedules are similar in form to the corresponding schedules relating to the co-operative systems.

### **The Hamilton Street Railway Company**

This is a subsidiary of the Niagara system of the Commission. A balance sheet and operating and income account are presented.

### **Municipal Utilities**

All municipal "Hydro" utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserves to protect generating, transforming and transmission systems, the municipalities are taking similar action with respect to their local "Hydro" utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts", relate to the operation of local distribution systems by individual municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

### **Auditing of Accounts**

The accounts of The Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and The Public Utilities Act requires that they shall be audited by the auditors of the municipal corporation.





## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## FINANCIAL ACCOUNTS

For the Year Ended October 31, 1941

Relating to Properties operated on a "Cost Basis" for the Co-operating  
Municipalities and Rural Power Districts which are supplied with  
Electrical Power and Services from the following Properties:

Niagara System

Georgian Bay System

Eastern Ontario System

Thunder Bay System

Service and Administrative  
Buildings and Equipment

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STATEMENTS

Balance Sheet as at October 31, 1941

Statements of Operations and Cost of Power for the Year ended  
October 31, 1941.

Schedules supporting the Balance Sheet as at October 31, 1941:

Fixed Assets—By Systems and Properties

Capital Expenditures and Grants—Rural Power Districts

Power Accounts Receivable

Funded Debt Issued or Assumed

Renewals Reserves

Contingencies and Obsolescence Reserves

Stabilization of Rates Reserves

Sinking Fund Reserves

Account with the Provincial Treasurer of the Province of Ontario

Statements for Municipalities Receiving Power under Cost Contracts

**THE HYDRO-ELECTRIC POWER**  
**BALANCE SHEET AS AT OCTOBER 31, 1941, IN**  
**Niagara System                      Georgian Bay System**

**ASSETS**

**FIXED ASSETS:**

Niagara system.....	\$241,606,688.30
Georgian Bay system.....	16,411,222.12
Eastern Ontario system.....	32,052,562.85
Thunder Bay system.....	20,303,489.89
Service and administrative buildings and equipment.....	4,330,051.96

\$314,704,015.12

Less: Grants-in-aid of construction:

Province of Ontario—for rural power districts..... 18,849,420.20

\$295,854,594.92

**INVESTMENTS:**

The Hamilton Street Railway Company—Capital stock....	\$ 3,000,000.00
Other investments.....	209,741.50

3,209,741.50

**CURRENT ASSETS:**

Employees' working funds.....	\$ 64,290.80
Sundry accounts receivable.....	1,210,746.53
Power accounts receivable.....	4,948,155.14
Interest accrued.....	575,104.79
Consumers' and contractors' deposits:	
Cash deposits.....	\$ 14,404.25
Securities—at par value.....	948,799.19

963,203.44

Prepayments..... 70,290.20

7,831,790.90

**INVENTORIES:**

Construction and maintenance materials and supplies.....	\$ 2,515,421.73
Construction and maintenance tools and equipment.....	1,358,634.59
Office equipment.....	159,370.14

4,033,426.46

**DEFERRED ASSETS:**

Agreements and mortgages.....	\$ 130,992.52
Rural district loans.....	59,717.65
Work in progress—deferred work orders.....	92,063.84

282,774.01

**UNAMORTIZED DISCOUNT ON DEBENTURES.....**

441,674.35

**RESERVE FUNDS:**

Investments—Specific reserves.....	\$ 45,646,220.62
Employers' Liability Insurance Fund:	

Investments..... \$1,046,379.46

Deposits with the Workmen's Compensation Board..... 30,602.93

1,076,982.39

Pension Fund, investments..... 7,078,439.63

53,801,642.64

**SINKING FUNDS:**

Deposits in the hands of trustees—including temporary investments..... 682,068.14

\$366,137,712.92

## COMMISSION OF ONTARIO

## WHICH THE FOLLOWING PROPERTIES ARE INCLUDED:

## Eastern Ontario System

## Thunder Bay System

## LIABILITIES AND RESERVES

## LONG TERM LIABILITIES:

Funded debt issued or assumed.....	\$104,200,283.75	
Less—Debentures issued to finance Northern Ontario Properties.....	26,760,000.00	
		\$ 77,440,283.75
Advances from the Province of Ontario....	\$137,067,190.39	
Less—Advances for Northern Ontario Properties.....	6,041,572.70	
		131,025,617.69
Purchase agreements, and mortgages.....		112,609.31
		\$208,578,510.75

## CURRENT LIABILITIES:

Bank advances—demand loan—secured.....	\$ 32,093.01	
Bank overdraft—secured.....	3,310,701.34	
Accounts and payrolls payable.....	2,304,153.18	
Power accounts—credit balances.....	49,076.18	
Hamilton Street Railway Company—Current account.....	303,309.89	
Northern Ontario Properties—Current account.....	1,989,947.95	
Advances from the Province of Ontario for rural loans....	59,401.21	
Consumers' and contractors' deposits.....	1,033,623.36	
Debenture interest accrued.....	769,636.23	
Miscellaneous interest accrued.....	4,061.79	
Miscellaneous accruals.....	54,833.68	
Rural power districts grants—not allocated.....	32,334.75	
		9,943,172.57

RURAL POWER DISTRICTS—Rates suspense, net..... 1,602,526.88

UNAMORTIZED PREMIUM ON DEBENTURES..... 45,004.38

## RESERVES:

Renewals.....	\$ 49,721,799.26	
Contingencies and obsolescence.....	14,270,337.64	
Stabilization of rates.....	10,557,021.86	
Fire insurance.....	98,368.72	
Investment—subsidiary.....	166,038.59	
		\$ 74,813,566.07
Employers' liability insurance.....	1,138,127.01	
Pension fund.....	7,160,698.90	
Miscellaneous.....	430,720.36	
		83,543,112.34

## SINKING FUND RESERVE:

Represented by:		
Funded debt retired through sinking funds.....	\$ 23,997,209.46	
Provincial advances retired through sinking funds.....	37,746,108.40	
Deposits in the hands of trustees—Contra.....	682,068.14	
		62,425,386.00
		\$366,137,712.92

## Auditors' Certificate

We have examined the Accounts of The Hydro-Electric Power Commission of Ontario for the year ended the 31st October, 1941, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Commission's affairs at the 31st October, 1941, according to the best of our information and the explanations given to us, and as shown by the books and records of the Commission. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND CO.,

Chartered Accountants,

Auditors.

Dated at Toronto, Ontario,  
31st March, 1942.



## THE HYDRO-ELECTRIC POWER

## Statement of Operations and Cost of Power for

System and property	Cost of power purchased	Operating maintenance and administrative expenses	Interest	Provision for renewals	Provision for contingencies and obsolescence
NIAGARA SYSTEM:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Municipalities.....	5,392,758.02	2,811,599.00	6,936,999.35	1,087,776.28	899,300.53
Rural power districts.....	333,703.41	264,336.02	533,893.24	102,514.64	65,154.56
Companies.....	2,037,869.99	1,199,140.69	2,098,748.19	312,785.58	4,333,020.48
Local distribution systems.....	16,361.09	42,968.78	35,351.67	9,441.62	5,638.55
Total.....	7,780,692.51	4,318,044.49	9,604,992.45	1,512,518.12	5,303,114.12
GEORGIAN BAY SYSTEM:					
Municipalities.....	65,324.74	313,632.52	314,275.43	91,182.97	73,154.40
Rural power districts.....	18,934.52	74,985.56	82,747.14	25,255.23	18,455.16
Companies.....	66,030.88	13,914.35	18,755.31	5,114.47	128,247.54
Local distribution systems.....	1,253.63	13,925.65	10,749.90	3,989.51	2,370.44
Total.....	151,543.77	416,458.08	426,527.78	125,542.18	222,227.54
EASTERN ONTARIO SYSTEM:					
Municipalities.....	812,226.70	543,050.05	607,187.27	159,485.07	170,194.24
Rural power districts.....	95,338.08	73,971.83	90,127.61	26,841.52	23,600.37
Companies.....	203,450.64	137,694.68	197,942.51	53,287.42	155,256.80
Local distribution systems.....	2,877.26	8,087.59	4,308.37	1,453.93	837.71
Total.....	1,113,892.68	762,804.15	899,565.76	241,067.94	349,889.12
THUNDER BAY SYSTEM:					
Municipalities.....		177,617.35	550,325.59	100,299.62	78,830.69
Rural power districts.....		2,230.55	7,010.39	1,441.32	952.24
Companies.....		75,209.32	246,928.90	42,098.88	46,578.78
Mining Area—Mines.....		54,317.74	141,644.21	15,359.96	92,315.62
Mining Area—Townsites.....		16,188.43	13,524.90	899.67	15,466.74
Total.....		325,563.39	959,433.99	160,099.45	234,144.07
COST OF DISTRIBUTION OF POWER WITHIN R.P.D.'s:					
Niagara system R.P.D.'s.....	*1,511,636.36	812,894.86	530,712.66	230,573.90	.....
Georgian Bay sys. R.P.D.'s.....	* 270,217.74	157,154.77	116,434.44	51,526.36	.....
Eastern Ontario system R.P.D.'s.....	* 383,103.44	283,609.75	184,089.89	83,201.84	.....
Thunder Bay sys. R.P.D.'s.....	* 14,257.73	10,134.80	11,207.65	4,622.93	.....
Total.....	*2,179,215.27	1,263,794.18	842,444.64	369,925.03	.....
RURAL LINES OPERATED BY MUNICIPALITIES:					
Niagara rural lines.....			845.80	401.17	200.59
Georgian Bay rural lines.....			48.22	18.44	9.22
Total.....			894.02	419.61	209.81
Total for all systems.....	11,225,344.23	7,086,664.29	12,733,858.64	2,409,572.33	6,109,584.66
R.P.D.'s eliminations.....	*(2,179,215.27)				
Net total for all systems.....	9,046,128.96	7,086,664.29	12,733,858.64	2,409,572.33	6,109,584.66
GRAND SUMMARY:					
Niagara system.....	7,780,692.51	5,130,939.35	10,136,550.91	1,743,493.19	5,303,314.71
Georgian Bay system.....	151,543.77	573,612.85	543,010.44	177,086.98	222,236.76
Eastern Ontario system.....	1,113,892.68	1,046,413.90	1,083,655.65	324,269.78	349,889.12
Thunder Bay system.....		335,698.19	970,641.64	164,722.38	234,144.07
Total.....	9,046,128.96	7,086,664.29	12,733,858.64	2,409,572.33	6,109,584.66

## COMMISSION OF ONTARIO

Each System for the Year ended October 31, 1941

Provision for stabilization of rates	Provision for sinking fund	Operating balance in respect of power sold to private companies	Total cost	Amount received from (or billed against) municipalities and other customers	Amounts remaining to be credited or charged to municipalities	
					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,728,253.00	1,601,204.86	(292,749.47)	20,165,141.57	20,480,731.25	376,770.84	61,181.16
106,994.20	123,164.05	(18,123.76)	*1,511,636.36	*1,511,636.36		
.....	480,563.02	279,884.12	10,742,012.07	10,742,012.07	.....	.....
.....	8,155.30	30,989.11	148,906.12	148,906.12	.....	.....
1,835,247.20	2,213,087.23	.....	32,567,696.12	32,883,285.80	376,770.84	61,181.16
121,207.60	76,064.82	797.60	1,055,640.08	1,111,041.35	56,194.51	793.24
29,657.20	19,987.76	195.17	*270,217.74	*270,217.74	.....	.....
.....	4,530.37	(860.17)	235,732.75	235,732.75	.....	.....
.....	2,596.66	(132.60)	34,753.19	34,753.19	.....	.....
150,864.80	103,179.61	.....	1,596,343.76	1,651,745.03	56,194.51	793.24
384,394.00	146,498.54	5,591.57	2,828,627.44	2,905,155.84	106,285.03	29,756.63
50,786.40	21,698.86	738.77	*383,103.44	*383,103.44	.....	.....
.....	46,671.22	(12,026.97)	782,276.30	782,276.30	.....	.....
.....	1,037.27	5,696.63	24,298.76	24,298.76	.....	.....
435,180.40	215,905.89	.....	4,018,305.94	4,094,834.34	106,285.03	29,756.63
82,384.95	119,552.04	23,534.03	1,132,544.27	1,154,699.28	22,155.01	.....
856.20	1,522.45	244.58	*14,257.73	*14,257.73	.....	.....
.....	52,143.31	(23,778.61)	439,180.58	439,180.58	.....	.....
95,651.32	21,413.24	.....	420,702.09	420,702.09	.....	.....
1,161.50	1,254.22	.....	48,495.46	48,495.46	.....	.....
180,053.97	195,885.26	.....	2,055,180.13	2,077,335.14	22,155.01	.....
.....	122,430.29	.....	3,208,248.07	3,440,369.44	232,121.37	.....
.....	28,125.01	.....	623,458.32	582,558.42	.....	40,899.90
.....	44,320.90	.....	978,325.82	999,607.51	21,281.69	.....
.....	2,433.97	.....	42,657.08	43,668.89	1,011.81	.....
.....	197,310.17	.....	4,852,689.29	5,066,204.26	254,414.87	40,899.90
.....	361.05	.....	1,808.61	1,808.61	.....	.....
.....	16.60	.....	92.48	92.48	.....	.....
.....	377.65	.....	1,901.09	1,901.09	.....	.....
2,601,346.37	2,925,745.81	.....	45,092,116.33	45,775,305.66	.....	.....
.....	.....	.....	*(2,179,215.27)	*(2,179,215.27)	.....	.....
2,601,346.37	2,925,745.81	.....	42,912,901.06	43,596,090.39	815,820.26	132,630.93
1,835,247.20	2,335,878.57	.....	34,266,116.44	34,813,827.49	608,892.21	61,181.16
150,864.80	131,321.22	.....	1,949,676.82	1,964,178.19	56,194.51	41,693.14
435,180.40	260,226.79	.....	4,613,528.32	4,711,338.41	127,566.72	29,756.63
180,053.97	198,319.23	.....	2,083,579.48	2,106,746.30	23,166.82	.....
2,601,346.37	2,925,745.81	.....	42,912,901.06	43,596,090.39	815,820.26	132,630.93

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1941

NIAGARA SYSTEM

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
Power Plants:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Niagara river:					
Queenston-Chippawa.....	150,747.41	234,093.38	47,981,576.82	28,866,962.86	77,082,633.06
Ontario Power.....	465,197.14	9,456.96	7,281,151.42	14,449,328.41	21,739,936.79
Toronto Power.....	5,563.34	2,370.08	3,823,491.60	7,683,621.25	11,509,482.93
Ottawa river:					
Chats Falls.....	6,112.69	855.60	811,120.91	6,309,071.73	7,121,048.24
Welland canal:					
DeCew Falls.....	103,407.44	98,062.78	8,327,105.24	3,351,394.41	11,776,562.43
Hamilton steam plant.....	90.46		502,300.12		502,300.12
Long Lake diversion:					
Transferred from Northern Ontario Properties.....	867,974.33				
Expenses during the year.....	5,275.18		258,770.30	614,479.21	873,249.51
Ogoki diversion.....	1,323,145.85	1,323,145.85			1,323,145.85
Preliminary river surveys.....			819,836.09		819,836.09
	1,985,811.96	1,667,984.65	69,805,352.50	61,274,857.87	132,748,195.02
Transformer Stations:					
Southern Ontario.....	1,516,562.33	702,665.89	325,829.38	30,604,941.79	31,633,437.06
Eastern—Chats Falls.....	2,312,602.21	82,194.12		12,765,573.98	12,847,768.10
	3,829,164.54	784,860.01	325,829.38	43,370,515.77	44,481,205.16
Transmission Lines:					
Southern Ontario:					
Right-of-way.....	335,430.96		7,012,972.22		7,012,972.22
Lines.....	79,885.26	205,098.94	15,288.21	18,989,532.75	19,209,919.90
Eastern—Chats Falls:					
Right-of-way.....	757,377.17		2,398,840.22		2,398,840.22
Lines.....	2,538,147.27	1,072.66		11,743,083.35	11,744,156.01
	3,039,978.74	206,171.60	9,427,100.65	30,732,616.10	40,365,888.35
Local Systems:					
Niagara peninsula and Dundas area.....	1,557.22	46,766.44		265,315.82	312,082.26
Sub-total.....	8,856,512.46	2,705,782.70	79,558,282.53	135,643,305.56	217,907,370.79
Rural Power Districts:					
H-E.P.C. investment.....	585,629.60	18,611.78		11,870,569.72	11,889,181.50
Government grants.....	588,450.51	18,611.77		11,771,465.82	11,790,077.59
	1,174,080.11	37,223.55		23,642,035.54	23,679,259.09
Rural Lines:					
Welland and Milton.....				20,058.42	20,058.42
	10,030,592.57	2,743,006.25	79,558,282.53	159,305,399.52	241,606,688.30

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	217,844,477.46	62,893.33	217,907,370.79
Rural Operating schedules.....	11,952,074.83	62,893.33	11,889,181.50
Rural Lines schedules.....	20,058.42		20,058.42



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1941

GEORGIAN BAY SYSTEM

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
Power Plants:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Muskoka river (below lake):					
Bala No. 1 and No. 2.....	1,714.01		70,468.43	43,866.73	114,335.16
Ragged Rapids.....	25,447.11		70,817.12	1,251,140.75	1,321,957.87
Big Eddy.....	980,802.53		47,662.45	1,046,494.67	1,094,157.12
Lands and water rights: (Ragged Rapids, Big Eddy plants, Sandy Grey and Go Home sites)			47,824.81		47,824.81
Seyvern river:					
Wasdells.....			15,302.32	133,251.09	148,553.41
Big Chute.....	104.46	11.67	122,540.48	563,214.33	685,766.48
Preliminary surveys.....			4,107.56		4,107.56
Beaver river:					
Eugenia.....	2,217.17	78.34	148,980.43	1,139,200.82	1,288,259.59
Saugeen river:					
Hanover.....			10,000.00		10,000.00
Walkerton.....	439.14	439.14	100,372.31	113,447.97	214,259.42
Southampton.....			132,488.58		132,488.58
Muskoka river (above lake):					
South Falls.....	3,374.91		17,934.95	438,587.48	456,522.43
Trethewey Falls.....			51,549.45	306,071.43	357,620.88
Hanna Chute.....			34,756.73	208,106.65	242,863.38
Hollow Lake dam.....	52.53		16,622.32	29,540.16	46,162.48
Preliminary surveys.....			14,912.93		14,912.93
Sauble river:					
Lands and rights.....	103.30	637.67	4,200.00		4,837.67
Gull river:					
Lands and rights.....			5,859.20		5,859.20
	1,006,392.80	1,166.82	916,400.07	5,272,922.08	6,190,488.97
Transformer Stations.....	130,010.81	38,854.77		1,896,420.40	1,935,275.17
Transmission Lines.....	95,445.56	86,426.74		2,780,046.37	2,866,473.11
Local Systems.....	6,413.68	65.96		105,193.13	105,259.09
Sub-total.....	1,238,262.85	126,514.29	916,400.07	10,054,581.98	11,097,496.34
Rural Power Districts:					
H-E.P.C. investment.....	180,528.05			2,740,124.70	2,740,124.70
Government grants.....	175,298.15			2,572,679.06	2,572,679.06
	355,826.20			5,312,803.76	5,312,803.76
Rural Lines:					
Brechin.....				922.02	922.02
	1,594,089.05	126,514.29	916,400.07	15,368,307.76	16,411,222.12

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	11,077,962.19	19,534.15	11,097,496.34
Rural Operating schedules.....	2,759,658.85	19,534.15	2,740,124.70
Rural Lines schedules.....	922.02		922.02

**THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO**  
**Fixed Assets—October 31, 1941**  
**EASTERN ONTARIO SYSTEM**

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
Power Plants:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Fenelon river:					
Fenelon Falls .....	6,507.31		60,000.00	92,316.22	152,316.22
Otonabee river:					
Auburn .....	574.59		31,400.00	291,469.51	322,869.51
Douro .....				68,478.30	68,478.30
Lakefield .....	267.45		19,620.05	218,561.05	238,181.10
Young's Point .....	250.00		2,480.81	7,813.69	10,294.50
Trent river:					
Heely Falls .....	1,809.94	1,878.57		1,190,287.49	1,192,166.06
Seymour .....	5,883.64			298,870.82	298,870.82
Ranney Falls .....	22,102.49	22,164.46		1,344,580.87	1,366,745.33
Ranney Falls No. 3 .....			18,596.20	54,489.18	73,085.38
Crow river .....			1,000.00		1,000.00
Hagues Reach .....				574,302.26	574,302.26
Meyersburg .....	3.78			838,662.05	838,662.05
Sills Island .....	13,158.83	17,531.38	38,679.36	238,039.03	294,249.77
Frankford .....				252,774.82	252,774.82
Sidney .....	472.76			252,551.86	252,551.86
Deer river:					
Cordova power site .....	2,224.69				
Gull river:					
Norland and Elliot Chute site .....	17,577.60				
Mississippi river:					
High Falls .....	5,480.10	5,480.10	13,113.84	686,697.40	705,291.34
Carleton Place .....	30.00		9,929.06	47,817.10	57,746.16
Galetta .....			20,000.00	128,118.21	148,118.21
Ragged Chutes, Playfair and Appleton sites .....	52,845.88				
Rosebank and Blakeney sites .....	23,321.18				
Pakenham .....	999.81				
Surveys .....	10,594.39				
Madawaska river:					
Barrett Chute .....	1,956,258.91	1,992,651.43			1,992,651.43
Calabogie .....	55.00		80,825.74	677,482.95	758,308.69
Bark Lake dam .....	371,808.16	388,088.88	555.00		388,643.88
Kamaniskeg Lake dam .....				1,795.46	1,795.46
Undeveloped sites .....			650,000.00		650,000.00
Preliminary river surveys .....			132,224.23		132,224.23
Miscellaneous .....	7,110.17	13.00		43,285.43	43,298.43
Intangible .....			2,217,761.29		2,217,761.29
	2,257,009.50	2,427,807.82	3,296,185.58	7,308,393.70	13,032,387.10
Transformer Stations .....	558,362.19	7,398.20	76,076.68	4,217,551.60	4,301,026.48
Transmission Lines .....	83,710.14	36,150.37	416,281.15	5,694,461.61	6,146,893.13
Local Systems .....	3,480.44		703.00	31,031.64	31,734.64
Sub-total .....	2,902,562.27	2,471,356.39	3,789,246.41	17,251,438.55	23,512,041.35
Rural Power Districts:					
H.E.P.C. investment .....	217,200.83			4,297,040.95	4,297,040.95
Government grants .....	214,657.81			4,243,480.55	4,243,480.55
	431,858.64			8,540,521.50	8,540,521.50
	3,334,420.91	2,471,356.39	3,789,246.41	25,791,960.05	32,052,562.85

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules .....	23,473,641.24	38,400.11	23,512,041.35
Rural Operating schedules .....	4,335,441.06	38,400.11	4,297,040.95

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1941

THUNDER BAY SYSTEM

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:					
Nipigon river:					
Cameron Falls.....	925.47	794.38	857,418.84	9,059,834.86	9,918,048.08
Alexander.....	5,727.00	3,506.48	76,898.44	5,266,156.40	5,346,561.32
Virgin Falls dam.....			55,450.41	426,736.74	482,187.15
Preliminary surveys.....			30,242.35		30,242.35
	4,801.53	4,300.86	1,020,010.04	14,752,728.00	15,777,038.90
Transformer Stations.....	20,952.48	656.48	358,591.88	910,797.24	1,270,045.60
Transmission Lines.....	927.93	1,795.49	962,353.59	1,720,393.68	2,684,542.76
Local Systems.....	6,431.31	49.52	85,447.10		85,496.62
Sub-Total.....	21,654.33	6,802.35	2,426,402.61	17,383,918.92	19,817,123.88
Rural Power Districts:					
H-E.P.C. investment.....	19,085.44			243,183.01	243,183.01
Government grants.....	19,085.43			243,183.00	243,183.00
	38,170.87			486,366.01	486,366.01
	59,825.20	6,802.35	2,426,402.61	17,870,284.93	20,303,489.89

	Cost statements	Fixed assets as above
	\$ c.	\$ c.
Cost of Power schedules.....	19,817,123.88	19,817,123.88
Rural Operating schedules.....	243,183.01	243,183.01

ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Administrative Building:					
Toronto:					
University avenue.....	299,110.47	96.35	224,485.48	2,554,839.02	2,779,420.85
Elm and Centre streets.....				160,821.95	160,821.95
	299,110.47	96.35	224,485.48	2,715,660.97	2,940,242.80
Service Buildings and Equipment:					
Toronto:					
Strachan avenue.....	5,673.86			541,410.04	541,410.04
1379 Bloor street west.....	50.00			76,154.04	76,154.04
Cobourg.....	175.00			22,245.08	22,245.08
Hamilton.....			750,000.00		750,000.00
	5,448.86		750,000.00	639,809.16	1,389,809.16
	293,661.61	96.35	974,485.48	3,355,470.13	4,330,051.96



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1941

SUMMARY

System or property	Net capital expendi- tures in the year	Fixed Assets			
		Under construc- tion	In service		Total
			Non- depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Niagara system . . . . .	10,030,592.57	2,743,006.25	79,558,282.53	159,305,399.52	241,606,688.30
Georgian Bay system . . . . .	1,594,089.05	126,514.29	916,400.07	15,368,307.76	16,411,222.12
Eastern Ontario system . . . . .	3,334,420.91	2,471,356.39	3,789,246.41	25,791,960.05	32,052,562.85
Thunder Bay system . . . . .	59,825.20	6,802.35	2,426,402.61	17,870,284.93	20,303,489.89
Service and administrative buildings and equipment . . . . .	293,661.61	96.35	974,485.48	3,355,470.13	4,330,051.96
	15,312,589.34	5,347,775.63	87,664,817.10	221,691,422.39	314,704,015.12
Less: Grants in aid of construction: Province of Ontario for rural power districts . . . . .	997,491.90	18,611.77	.....	18,830,808.43	18,849,420.20
	14,315,097.44	5,329,163.86	87,664,817.10	202,860,613.96	295,854,594.92

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

CAPITAL EXPENDITURES AND GRANTS—RURAL POWER DISTRICTS

Summary at October 31, 1941

Statement showing the Total Capital Expenditures to October 31, 1941, on the construction of Primary and Secondary lines in Rural Power Districts; the portion thereof in course of construction, and the investment in lines in operation; also the amounts of the Grants (fifty per cent of both Primary and Secondary lines) paid or payable to the Commission by the Province of Ontario up to October 31, 1941

System	Total capital expenditure	In course of construction	In operation	Grants (50% of Primary and Secondary lines) paid or payable by the Province as authorized by Orders-in-Council*
	\$ c.	\$ c.	\$ c.	\$ c.
Niagara system.....	23,679,259.09	37,223.55	23,642,035.54	11,790,077.59
Georgian Bay system.....	5,312,803.76	.....	5,312,803.76	2,572,679.06
Eastern Ontario system.....	8,540,521.50	.....	8,540,521.50	4,243,480.55
Thunder Bay system.....	486,366.01	.....	486,366.01	243,183.00
Sub-total.....	38,018,950.36	37,223.55	37,981,726.81	18,849,420.20
Northern Ontario Properties..	793,642.40	339.09	793,303.31	388,353.15
Totals.....	38,812,592.76	37,562.64	38,775,030.12	19,237,773.35

\*Grants not made by Province in respect of a summer resort, street lighting systems in 81 districts, service buildings in 5 districts, amounts paid for business already established (hereinafter called Intangible Assets) in 11 rural distribution systems purchased from private companies and transformer station in 1 district.

NOTE:

The Grants paid over by the Province to the Commission up to October 31, 1941 on account of authorized grants to rural power districts—amount to.....	\$19,270,108.10
The Grants payable by the Province—as above set out—in respect of rural power districts as at October 31, 1941, amount in the aggregate to.....	19,237,773.35
A balance of.....	<u>\$32,334.75</u>
Which balance represents:	
Grant funds in the hands of the Commission at October 31, 1941, not allocated, but to apply against the construction of authorized rural power districts and extension to existing districts.....	<u>\$32,334.75</u>

THE HYDRO-ELECTRIC POWER  
Power Accounts Receivable

System or property	Wholesale power consumers			
	Interim power bills	Accumulated amount standing as a charge or credit on October 31, 1941		Net total for wholesale consumers
		Charge	Credit	
NIAGARA SYSTEM:	\$ c.	\$ c.	\$ c.	\$ c.
Municipalities . . . . .	2,170,641.28	62,367.16	376,770.84	1,856,237.60
Companies . . . . .	1,130,066.82			1,130,066.82
Local and rural . . . . .				
	3,300,708.10	62,367.16	376,770.84	2,986,304.42
GEORGIAN BAY SYSTEM:				
Municipalities . . . . .	137,992.51	2,106.19	56,031.69	84,067.01
Companies . . . . .	19,193.32			19,193.32
Local and rural . . . . .				
	157,185.83	2,106.19	56,031.69	103,260.33
EASTERN ONTARIO SYSTEM:				
Municipalities . . . . .	384,533.77	29,756.63	106,285.03	308,005.37
Companies . . . . .	83,787.97			83,787.97
Local and rural . . . . .				
	468,321.74	29,756.63	106,285.03	391,793.34
THUNDER BAY SYSTEM:				
Municipalities . . . . .	130,896.03		22,155.01	108,741.02
Companies . . . . .	160,833.98			160,833.98
Local and rural . . . . .				
	291,730.01		22,155.01	269,575.00
Grand totals . . . . .	4,217,945.68	94,229.98	561,242.57	3,750,933.09



COMMISSION OF ONTARIO

—October 31, 1941

Retail power consumers— local and rural districts	Net total of power accounts receivable	Balance sheet figures		Debit balances three months or more overdue
		Debit balances	Credit balances	
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,856,237.60	1,893,780.34	37,542.74	1,186.00
.....	1,130,066.82	1,130,066.82	.....	.....
698,839.51	698,839.51	698,839.51	.....	11,352.15
698,839.51	3,685,143.93	3,722,686.67	37,542.74	12,538.15
.....	84,067.01	92,592.09	8,525.08	1,475.77
.....	19,193.32	19,193.32	.....	.....
179,921.20	179,921.20	179,921.20	.....	7,374.74
179,921.20	283,181.53	291,706.61	8,525.08	8,850.51
.....	308,005.37	310,843.92	2,838.55	366.65
.....	83,787.97	83,787.97	.....	104.53
255,799.04	255,799.04	255,799.04	.....	11,433.85
255,799.04	647,592.38	650,430.93	2,838.55	11,905.03
.....	108,741.02	108,910.83	169.81	.....
.....	160,833.98	160,833.98	.....	82,040.25
13,586.12	13,586.12	13,586.12	.....	1,530.72
13,586.12	283,161.12	283,330.93	169.81	83,570.97
1,148,145.87	4,899,078.96	4,948,155.14	49,076.18	116,864.66

## THE HYDRO-ELECTRIC POWER

## Funded Debt Issued or

Description	Application of proceeds	Date of issue
6% H-E.P.C. debentures.....	Toronto & York Radial Railway	Dec. 1, 1920
6% " " .....	Toronto Power Company.....	Dec. 1, 1920
6% " " .....	T. & Y. R. R. equipment	Dec. 1, 1920
2½% " " .....	Refunding Province of Ont. advances, etc.	Mar. 1, 1936
6% " " .....	Refunding Ontario Power Company	June 24, 1921
2½% " serial debentures.....	Refunding H-E.P.C. 1941 debentures and financing plant extensions.....	Feb. 15, 1941
3½% " debentures.....	Refunding D.P. & T. and E. D. Companies	Jan. 1, 1935
5% Ontario Power Company bonds..	Ontario Power Company	Feb. 1, 1903
2½% H-E.P.C. debentures.....	Refunding Province of Ont. advances, etc.	June 15, 1935
5% Ontario Transmission Co. bonds..	Ontario Transmission Company	May 1, 1905
3% H-E.P.C. debentures.....	Financing Plant Extensions	Aug. 1, 1938
3¼% " " .....	Refunding Toronto Power Company	Feb. 1, 1938
4% " " .....	Ontario Power Company	Aug. 1, 1917
4% " " .....	Essex system	June 1, 1918
4% " " .....	Thorold system	Dec. 1, 1918
4¾% " " .....	Dominion Power & Transmission Company	Jan. 1, 1930
Municipal debentures assumed.....		
Funded debt as shown on the		
Balance Sheet of The Hydro-		
Electric Power Commission of		
Ontario.....		
NORTHERN ONTARIO PROPERTIES:		
2½% H-E.P.C. debentures.....	Abitibi and St. Joseph districts	Mar. 1, 1936
2½% " serial debentures.....	Refunding H-E.P.C. 1941 debentures	Feb. 15, 1941
2½% " debentures.....	{ Refunding Ontario Power Service Corp'n and financing plant extensions	{ April 1, 1937
3½% " " .....		{ April 1, 1937
3% " " .....		Aug. 1, 1938
Funded debt relating to all prop-		
erties vested in, or operated by,		
the Commission.....		

COMMISSION OF ONTARIO

Assumed—October 31, 1941

Date of maturity	Matured and/or paid during year	Principal outstanding October 31, 1941	Interest for the year 1940-1941	Interest accrued October 31, 1941
	\$ c.	\$ c.	\$ c.	\$ c.
Dec. 1, 1940	2,076,000.00	.....	10,380.00	.....
Dec. 1, 1940	413,200.00	.....	2,066.00	.....
Dec. 1, 1940	204,800.00	.....	1,024.00	.....
Mar. 1, 1941	10,000,000.00	.....	83,333.33	.....
June 24, 1941	3,200,000.00	.....	124,142.47	.....
Feb. 15, 1942- 1949	.....	12,000,000.00	210,856.00	62,500.00
Jan. 1, 1943	.....	10,000,000.00	350,000.00	116,666.66
Feb. 1, 1943	50,000.00	7,404,000.00	369,575.00	92,550.00
June 15, 1944	.....	10,000,000.00	250,000.00	93,750.00
May 1, 1945	14,000.00	1,131,000.00	56,725.00	.....
Aug. 1, 1948	.....	7,740,000.00	232,200.00	58,050.00
Feb. 1, 1953	.....	9,000,000.00	292,500.00	73,125.00
Aug. 1, 1957	.....	8,000,000.00	320,000.00	80,000.00
June 1, 1958	.....	200,000.00	8,000.00	3,333.34
Dec. 1, 1958	.....	100,000.00	4,000.00	1,666.67
Jan. 1, 1970	.....	11,864,000.00	563,541.23	187,847.89
.....	15,958,000.00 383.67	77,439,000.00 1,283.75	2,878,343.03 440.00	769,489.56 146.67
.....	15,958,383.67	77,440,283.75	2,878,783.03	769,636.23
Mar. 1, 1941	5,000,000.00	.....	41,666.67	.....
Feb. 15, 1942- 1949	.....	3,000,000.00	52,714.00	15,625.00
April 1, 1942	.....	11,000,000.00	275,000.00	22,916.66
April 1, 1947	.....	8,000,000.00	280,000.00	23,333.33
Aug. 1, 1948	.....	4,760,000.00	142,800.00	35,700.00
.....	5,000,000.00	26,760,000.00	792,180.67	97,574.99
.....	20,958,383.67	104,200,283.75	3,670,963.70	867,211.22



**THE HYDRO-ELECTRIC POWER  
Renewals Reserve<sup>s</sup>**

	Niagara system	Georgian Bay system
	\$ c.	\$ c.
Balances at November 1, 1940.....	34,801,858.49	2,616,888.63
Transferred during the year.....	1,743,493.19	177,086.98
Provision in the year—direct.....		
indirect.....	1,392,074.33	104,675.55
Interest at 4% on reserves' balances.....	(99,756.58)	(11,015.59)
Adjustments re transfer of equipment.....		
Sub-total.....	37,837,669.43	2,887,635.57
Expenditures for the year.....	1,007,063.44	67,385.53
Balances at October 31, 1941.....	36,830,605.99	2,820,250.04
Account balances:		
Power plants, transmission lines and transformer stations.....	32,583,902.82	2,335,248.73
Rural power districts.....	4,237,693.57	484,598.83
Rural lines.....	9,009.60	402.48
Administrative office buildings.....		
Service buildings and equipment.....		
	36,830,605.99	2,820,250.04

**THE HYDRO-ELECTRIC POWER  
Contingencies and Obsolescence**

	Niagara system	Georgian Bay system
	\$ c.	\$ c.
Balances at November 1, 1940.....	4,719,460.53	546,719.55
Add:		
War loads net revenues for fiscal year 1940, transferred from Stabilization of Rates reserve.....	1,432,168.38	29,106.42
	6,151,628.91	575,825.97
Transferred during the year.....	147,633.28	11,947.39
Provision in the year as per cost statement.....	5,303,314.71	222,236.76
Interest at 4% on reserves' balances.....	246,065.16	23,033.04
Sub-total.....	11,848,642.06	833,043.16
Contingencies met with during the year.....	2,286,018.59	59,616.20
Terminal building, Hamilton.....	27,276.90	
Balances at October 31, 1941.....	9,535,346.57	773,426.96
Account balances:		
Power plants, transmission lines, transformer stations and rural power districts.....	9,530,996.25	773,255.43
Rural lines.....	4,350.32	171.53
	9,535,346.57	773,426.96

COMMISSION OF ONTARIO

—October 31, 1941

Eastern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
\$ c. 5,669,885.10 ..... 324,269.78 ..... 226,795.41 (6,174.79)	\$ c. 3,005,510.50 ..... 164,722.38 ..... 120,220.42 .....	\$ c. 605,528.81 32,726.44 ..... 16,465.75 21,034.57 .....	\$ c. 46,699,671.53 32,726.44 2,409,572.33 16,465.75 1,864,800.28 (116,946.96)
6,214,775.50 96,140.77	3,290,453.30 993.99	675,755.57 12,906.38	50,906,289.37 1,184,490.11
6,118,634.73	3,289,459.31	662,849.19	49,721,799.26
5,124,006.75 994,627.98 ..... ..... .....	3,261,206.90 28,252.41 ..... ..... .....	..... ..... ..... 223,072.36 439,776.83	43,304,365.20 5,745,172.79 9,412.08 223,072.36 439,776.83
6,118,634.73	3,289,459.31	662,849.19	49,721,799.26

COMMISSION OF ONTARIO

Reserves—October 31, 1941

Eastern Ontario system	Thunder Bay system	Totals for power undertakings operated on a "cost basis"
\$ c. 1,761,539.85  4,907.77	\$ c. 1,770,257.60  .....	\$ c. 8,797,977.53  1,466,182.57
1,766,447.62 5,771.39 349,889.12 70,657.90	1,770,257.60 ..... 234,144.07 72,324.51	10,264,160.10 165,352.06 6,109,584.66 412,080.61
2,192,766.03 295,881.54 .....	2,076,726.18 12,046.56 .....	16,951,177.43 2,653,562.89 27,276.90
1,896,884.49	2,064,679.62	14,270,337.64
1,896,884.49 .....	2,064,679.62 .....	14,265,815.79 4,521.85
1,896,884.49	2,064,679.62	14,270,337.64

THE HYDRO-ELECTRIC POWER

Stabilization of Rates Reserves

	Niagara system	Georgian Bay system
Balances at November 1, 1940.....	\$ c. 7,414,112.41	\$ c. 448,878.04
Deduct:—		
War loads net revenues for fiscal year 1940, transferred to Contingency reserve.....	1,432,168.38	29,106.42
Appropriations in the year as per cost statement.....	5,981,944.03	419,771.62
Interest at 4% on reserves balances.....	1,835,247.20	150,864.80
	239,277.76	16,790.86
	8,056,468.99	587,427.28
Account balances:		
Systems.....	8,056,468.99	587,427.28

THE HYDRO-ELECTRIC POWER

Sinking Fund Reserves

	Niagara system	Georgian Bay system
Balances at November 1, 1940.....	\$ c. 48,924,539.12	\$ c. 2,010,160.69
Transferred during the year.....	141.41	.....
Provision in the year—direct.....	2,335,878.57	131,321.22
indirect.....	.....	.....
Interest at 4% on reserves' balances.....	1,956,981.56	80,406.43
Balances at October 31, 1941.....	53,217,540.66	2,221,888.34
Account balances:		
Systems.....	51,794,725.17	2,029,824.15
Rural power districts.....	1,404,663.05	191,495.47
Rural lines.....	18,152.44	568.72
Administrative office buildings.....	.....	.....
Service buildings and equipment.....	.....	.....
	53,217,540.66	2,221,888.34



COMMISSION OF ONTARIO

—October 31, 1941

Eastern Ontario system	Thunder Bay		Total for power undertakings operated on a “cost basis”
	system	Mining area	
\$ c. 940,818.43	\$ c. 203,563.18	\$ c. 108,498.48	\$ c. 9,115,870.54
4,907.77	.....	.....	1,466,182.57
935,910.66	203,563.18	108,498.48	7,649,687.97
435,180.40	83,241.15	96,812.82	2,601,346.37
37,436.43	8,142.53	4,339.94	305,987.52
1,408,527.49	294,946.86	209,651.24	10,557,021.86
1,408,527.49	294,946.86	209,651.24	10,557,021.86

COMMISSION OF ONTARIO

—October 31, 1941

Eastern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power undertakings operated on a “cost basis”
\$ c. 2,978,972.70	\$ c. 2,726,350.68	\$ c. 538,181.68	\$ c. 57,178,204.87
260,226.79	198,319.23	.....	141.41
119,158.90	109,054.03	34,165.72	2,925,745.81
		21,527.27	34,165.72
3,358,358.39	3,033,723.94	593,874.67	2,287,128.19
3,013,443.09	3,023,079.14	.....	59,861,071.55
344,915.30	10,644.80	.....	1,951,718.62
.....	.....	.....	18,721.16
.....	.....	373,666.81	373,666.81
.....	.....	220,207.86	220,207.86
3,358,358.39	3,033,723.94	593,874.67	62,425,386.00

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Account with

The Provincial Treasurer of the Province of Ontario

As at October 31, 1941

ADVANCES FROM THE PROVINCE OF ONTARIO

	Total	Northern Ontario Properties operated for the Province of Ontario	Niagara and other systems operated on a "cost basis"
	\$ c.	\$ c.	\$ c.
ADVANCES FOR CAPITAL EXPENDITURES:			
Cash advances made by the Province to the Commission for capital expenditures purposes during the years 1909 to 1934, inclusive.....	207,250,258.34	8,331,113.46	198,919,144.88
Cash returned by the Commission to the Province on April 30, 1935, to cover the difference between advances made by the Province to the Commission during the year ended October 31, 1934, and the capital expenditures made out of such advances by the Commission in that year.....	247,507.98	74,001.99	173,505.99
Total advances for capital expenditures.....	207,002,750.36	8,257,111.47	198,745,638.89
REPAYMENTS OF ADVANCES—1926 TO 1933:			
Cash repayments made by the Commission to the Province during the years 1926 to 1933 inclusive, which have been applied in each subsequent year to reduce the Commission's share in maturing Provincial obligations.....	17,008,616.73	3,061.39	17,005,555.34
Commission's share in Provincial Bonds at October 31, 1934.....	189,994,133.63	8,254,050.08	181,740,083.55
REPAYMENTS OF ADVANCES:			
Retirements of Commission's share of Provincial bonds matured in the period November 1, 1934, to October 31, 1941:			
In year ended Oct. 31, 1935...\$ 3,946,628.69			
" " " " 1936... 21,998,092.45			
" " " " 1937... 13,557,615.63			
" " " " 1938... 1,777,019.93			
" " " " 1939... 2,151,516.02			
" " " " 1940... 1,756,175.77			
" " " " 1941... 7,739,894.75			
	52,926,943.24	2,212,477.38	50,714,465.86
Commission's share in Provincial bonds at October 31, 1941.....	137,067,190.39	6,041,572.70	131,025,617.69

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

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STATEMENTS FOR MUNICIPALITIES  
RECEIVING POWER UNDER COST CONTRACTS  
For the Year ended October 31, 1941

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STATEMENTS FOR EACH SYSTEM

Cost of Power	Credit or Charge
Sinking Fund	Rural Operating



## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Acton.....	28.50	28.50	289,643.38	1,393.2	8,690.48	5,703.47	13,251.57
Agincourt.....	35.50	35.50	43,459.46	207.7	1,295.59	1,055.89	1,955.99
Ailsa Craig.....	44.00	44.00	35,082.16	126.6	789.70	1,166.55	1,596.65
Alvinston.....	63.00	63.00	36,516.65	105.9	660.58	1,885.76	1,638.42
Amherstburg.....	33.50	33.50	213,870.43	859.9	5,363.87	4,204.12	9,756.95
Ancaster township.	27.50	27.50	68,561.85	358.1	2,233.75	1,504.52	3,128.91
Arkona.....	65.00	65.00	24,442.87	62.6	390.49	1,006.69	1,103.46
Aylmer.....	30.50	30.50	156,284.17	731.0	4,559.82	3,541.35	7,288.10
Ayr.....	29.50	29.50	58,583.44	230.2	1,435.94	1,426.48	2,679.08
Baden.....	28.50	28.50	72,540.09	346.4	2,160.77	1,638.62	3,215.81
Beachville.....	28.50	28.50	124,967.73	595.3	3,713.35	2,775.43	5,687.11
Beamsville.....	26.00	26.00	85,942.98	390.5	2,435.85	1,705.35	3,586.61
Belle River.....	34.50	34.50	43,399.11	178.2	1,111.57	1,042.90	1,973.15
Blenheim.....	34.50	34.50	122,642.85	542.7	3,385.24	3,614.68	5,512.67
Blyth.....	47.00	44.00	40,553.27	136.7	852.70	1,491.33	1,832.23
Bolton.....	38.50	38.50	50,517.69	188.8	1,177.69	1,313.94	2,238.16
Bothwell.....	42.50	42.50	35,710.71	141.9	885.14	1,284.41	1,598.14
Brampton.....	27.00	27.00	530,241.97	2,935.6	18,311.64	11,069.53	24,167.50
Brantford.....	23.50	23.50	3,153,610.45	17,679.1	110,278.39	58,870.77	146,653.16
Brantford twp....	27.50	27.50	172,922.81	957.1	5,970.18	6,704.35	7,927.07
Bridgeport.....	31.50	31.50	26,867.87	117.9	735.43	618.88	1,225.89
Brigden.....	55.00	55.00	28,167.59	85.5	533.33	1,033.58	1,269.13
Brussels.....	44.00	44.00	42,352.71	148.0	923.19	1,599.08	1,915.77
Burford.....	30.50	30.50	42,584.02	200.3	1,249.43	1,073.79	1,941.26
Burgessville.....	50.50	48.00	14,384.70	46.8	291.93	819.25	642.19
Caledonia.....	27.50	27.50	77,051.48	378.9	2,363.50	1,716.93	3,530.71
Campbellville.....	50.00	50.00	12,533.81	35.6	222.07	504.78	570.26
Cayuga.....	42.00	42.00	41,705.50	140.3	875.16	1,052.39	1,894.23
Chatham.....	26.50	26.50	1,289,845.49	6,607.9	41,218.65	27,187.47	58,557.19
Chippawa.....	21.50	21.50	44,862.57	327.3	2,041.63	1,026.99	2,039.39
Clifford.....	50.00	50.00	33,319.79	103.0	642.49	1,338.76	1,507.64
Clinton.....	33.50	33.50	138,745.59	607.4	3,788.83	4,013.75	6,306.22
Comber.....	41.50	41.50	37,270.46	129.2	805.92	1,154.32	1,687.05
Cottam.....	40.50	40.50	22,390.05	80.7	503.39	603.59	1,016.76
Courtright.....	60.00	60.00	21,859.02	46.0	286.94	620.74	877.49
Dashwood.....	42.00	42.00	25,029.92	91.0	567.64	633.54	1,135.70
Delaware.....	34.00	34.00	15,558.08	75.0	467.83	456.82	707.18
Delhi.....	36.00	33.00	123,577.50	532.0	3,318.50	2,785.82	5,608.48
Dorchester.....	36.00	36.00	25,987.36	108.1	674.30	657.04	1,183.99
Drayton.....	50.00	50.00	43,866.21	117.5	732.94	1,412.02	1,885.72

SYSTEM N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
				Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,483.20	1,641.50	2,786.40	3,060.91	471.99	37,145.54	39,706.92	2,561.38
354.95	237.17	415.40	456.42	70.36	5,701.05	7,371.86	1,670.81
356.30	176.84	253.20	370.65	42.89	4,667.00	5,570.40	903.40
401.99	169.63	211.80	385.72	35.88	5,318.02	6,671.72	1,353.70
1,979.04	1,161.72	1,719.80	2,254.34	291.32	26,148.52	28,808.05	2,659.53
553.70	396.65	716.20	724.59	121.32	9,137.00	9,847.53	710.53
279.93	107.40	125.20	257.72	21.21	3,249.68	4,067.93	818.25
1,413.75	892.06	1,462.00	1,688.32	247.65	20,597.75	22,293.99	1,696.24
569.48	319.94	460.40	617.88	77.99	7,431.21	6,790.16	(641.05)
590.66	403.95	692.80	743.62	117.35	9,328.88	9,873.21	544.33
1,064.42	721.03	1,190.60	1,312.59	201.68	16,262.85	16,966.52	703.67
681.40	445.00	781.00	829.43	132.29	10,332.35	10,153.01	(179.34)
396.30	235.36	356.40	457.47	60.37	5,512.78	6,147.35	634.57
1,070.41	673.85	1,085.40	1,282.86	183.86	16,441.25	18,721.71	2,280.46
421.97	196.29	273.40	427.53	46.31	5,449.14	6,087.01	637.87
470.88	245.75	377.60	519.60	63.96	6,279.66	7,270.42	990.76
334.40	189.80	283.80	373.70	48.07	4,901.32	6,031.12	1,129.80
4,063.78	3,096.33	5,871.20	5,602.43	994.52	71,187.89	79,262.12	8,074.23
24,575.36	19,012.95	34,548.80	33,802.73	5,852.24	421,889.92	415,919.27	(5,970.65)
1,312.79	1,030.32	1,914.20	1,828.39	324.25	26,363.05	26,319.34	(43.71)
244.63	145.12	235.80	283.70	39.94	3,449.51	3,714.13	264.62
303.93	135.66	171.00	296.96	28.97	3,714.62	4,702.04	987.42
433.55	208.64	296.00	446.52	50.14	5,772.61	6,510.17	737.56
370.80	242.77	400.60	450.08	67.86	5,660.87	6,108.90	448.03
151.24	67.81	93.60	150.62	15.85	2,200.79	2,266.31	65.52
653.45	446.05	757.80	814.13	128.36	10,154.21	10,418.37	264.16
140.43	57.51	71.20	131.93	12.06	1,686.12	1,781.24	95.12
439.59	199.50	280.60	440.19	47.53	5,134.13	5,890.50	756.37
10,055.73	7,465.71	13,215.80	13,529.84	2,238.63	168,991.76	175,109.10	6,117.34
263.83	289.30	654.60	472.99	110.88	6,677.85	7,036.05	358.20
359.30	155.06	206.00	351.17	34.89	4,525.53	5,150.41	624.88
1,253.25	738.25	1,214.80	1,463.23	205.78	18,572.55	20,349.33	1,776.78
376.43	181.46	258.40	390.77	43.77	4,810.58	5,362.52	551.94
220.35	112.69	161.40	235.87	27.34	2,826.71	3,269.03	442.32
225.22	82.31	92.00	203.07	15.58	2,372.19	2,757.50	385.31
253.29	125.30	182.00	264.43	30.83	3,131.07	3,823.75	692.68
132.75	89.07	150.00	164.59	25.41	2,142.83	2,549.44	406.61
1,140.31	669.33	1,064.00	1,308.11	180.23	15,714.32	17,870.59	2,156.27
244.76	138.18	216.20	274.73	36.62	3,352.58	3,890.40	537.82
463.42	186.22	235.00	438.19	39.81	5,313.70	5,877.09	563.39

## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Dresden.....	38.00	38.00	99,887.86	405.1	2,526.93	2,904.83	4,506.91
Drumbo.....	35.00	35.00	22,465.21	96.0	598.83	850.16	1,021.65
Dublin.....	50.00	50.00	13,655.02	42.7	266.35	460.32	618.21
Dundas.....	22.50	22.50	396,787.49	2,355.3	14,691.85	6,772.97	18,196.06
Dunnville.....	27.50	27.50	206,756.71	1,215.5	7,582.03	3,296.93	8,975.53
Dutton.....	33.50	33.50	58,663.09	257.7	1,607.48	1,789.49	2,685.39
East York Twp..	27.50	27.50	1,315,263.15	7,161.8	44,673.75	38,831.40	58,574.27
Elmira.....	30.00	30.00	175,926.28	810.7	5,056.97	3,335.85	8,025.50
Elora.....	31.50	31.50	93,910.50	421.2	2,627.35	2,413.84	4,287.16
Embro.....	40.00	40.00	29,024.50	111.8	697.38	813.06	1,312.55
Erieau.....	48.00	48.00	37,824.39	105.2	656.21	1,261.72	1,699.60
Erie Beach.....	55.00	55.00	7,385.03	19.9	124.13	377.87	330.05
Essex.....	31.50	31.50	135,875.07	578.7	3,609.80	2,665.67	6,187.87
Etobicoke twp..	23.50	23.50	1,255,274.16	6,810.6	42,483.05	25,029.89	57,444.29
Exeter.....	34.50	34.50	141,069.67	594.1	3,705.87	3,189.02	6,254.89
Fergus.....	31.50	31.50	275,812.41	1,260.1	7,860.23	6,523.83	12,568.80
Fonthill.....	29.50	29.50	33,935.04	166.0	1,035.47	807.60	1,544.58
Forest.....	40.00	40.00	141,117.34	522.5	3,259.24	4,437.20	6,415.13
Forest Hill Village.	25.50	25.50	1,137,707.78	6,520.1	40,670.97	20,675.20	52,413.58
Calt.....	24.00	24.00	1,741,965.88	9,758.1	60,868.91	34,849.03	79,765.53
Georgetown.....	31.50	31.50	379,341.89	1,682.7	10,496.32	7,926.65	17,271.77
Glencoe.....	50.00	50.00	68,772.42	210.6	1,313.68	2,347.56	3,085.74
Goderich.....	37.50	37.50	375,816.18	1,470.8	9,174.54	10,478.81	17,040.81
Granton.....	45.00	45.00	19,869.40	70.9	442.26	625.27	869.58
Guelph.....	23.50	23.50	1,901,573.92	10,775.2	67,213.36	38,249.04	87,328.85
Hagersville.....	28.50	28.50	191,487.12	851.6	5,312.10	3,427.12	8,781.84
Hamilton.....	22.00	22.00	22,027,995.05	135,796.5	847,069.09	360,446.65	1,010,719.74
Harriston.....	37.50	37.50	99,649.50	397.3	2,478.27	4,054.43	4,523.09
Harrow.....	34.50	34.50	126,615.90	496.3	3,095.81	2,705.60	5,773.48
Hensall.....	45.50	45.50	61,608.31	201.8	1,258.78	1,631.48	2,734.53
Hespeler.....	24.50	24.50	476,262.78	2,682.7	16,734.10	9,683.82	21,782.60
Highgate.....	42.50	42.50	21,836.10	80.9	504.64	697.10	982.01
Humberstone.....	24.50	24.50	84,436.11	464.9	2,899.95	1,608.12	3,853.92
Ingersoll.....	25.50	25.50	548,729.52	2,846.0	17,752.74	10,724.67	25,026.13
Jarvis.....	35.50	35.50	53,124.39	189.2	1,180.19	1,027.52	2,430.25



## SYSTEM

## N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
929.24	528.74	810.20	1,049.02	137.24	13,118.63	15,393.16	2,274.53
208.00	120.97	192.00	236.97	32.52	3,196.06	3,359.71	163.65
146.62	70.67	85.40	143.95	14.47	1,777.05	2,134.16	357.11
2,829.39	2,398.47	4,710.60	4,195.46	797.93	52,996.87	52,995.05	(1.82)
1,456.66	1,248.11	2,431.00	2,098.15	411.79	26,676.62	33,427.59	6,750.97
534.95	323.98	515.40	620.85	87.30	7,990.24	8,631.85	641.61
9,109.44	7,461.43	14,323.60	13,540.77	2,426.28	184,088.38	196,949.50	12,861.12
1,549.78	983.67	1,621.40	1,857.84	274.65	22,156.36	24,320.00	2,163.64
845.90	517.25	842.40	992.19	142.69	12,383.40	13,268.33	884.93
285.54	153.98	223.60	306.62	37.88	3,754.85	4,471.32	716.47
418.26	165.75	210.40	396.63	35.64	4,772.93	5,050.40	277.47
82.57	31.93	39.80	77.45	6.74	1,057.06	1,094.96	37.90
1,209.83	746.35	1,157.40	1,431.47	196.05	16,812.34	18,229.76	1,417.42
9,751.90	7,461.71	13,621.20	13,240.22	2,307.30	166,724.96	160,049.12	(6,675.84)
1,265.29	742.06	1,188.20	1,453.79	201.27	17,597.85	20,495.03	2,897.18
2,453.56	1,525.86	2,520.20	2,914.22	426.90	35,939.80	39,692.11	3,752.31
296.52	194.57	332.00	357.51	56.24	4,512.01	4,897.26	385.25
1,393.04	739.19	1,045.00	1,488.73	177.01	18,600.52	20,901.33	2,300.81
7,979.38	6,699.64	13,040.20	12,129.96	2,208.88	151,400.05	166,263.60	14,863.55
13,038.32	10,368.54	19,516.20	18,400.89	3,305.86	233,501.56	234,193.80	692.24
3,429.91	2,059.43	3,365.40	3,999.32	570.07	47,978.73	53,004.55	5,025.82
732.88	321.10	421.20	720.71	71.35	8,871.52	10,530.83	1,659.31
3,633.64	1,884.26	2,941.60	3,963.64	498.28	48,619.02	55,156.32	6,537.30
192.47	96.05	141.80	202.61	24.02	2,546.02	3,192.02	646.00
14,150.46	11,478.31	21,550.40	20,124.93	3,650.43	256,444.92	253,216.41	(3,228.51)
1,743.34	1,061.00	1,703.20	2,022.61	288.51	23,762.70	24,269.32	506.62
150,424.05	135,351.33	271,593.00	232,929.46	46,005.25	2,962,528.07	2,987,521.53	24,993.46
952.80	525.96	794.60	1,050.50	134.60	14,245.05	14,900.34	655.29
1,189.90	679.83	992.60	1,334.59	168.14	15,603.67	17,120.93	1,517.26
635.28	286.31	403.60	638.07	68.37	7,519.68	9,183.80	1,664.12
3,544.91	2,843.92	5,365.40	5,030.99	908.85	64,076.89	65,724.94	1,648.05
212.80	109.57	161.80	228.60	27.41	2,869.11	3,439.68	570.57
674.77	514.42	929.80	889.60	157.50	11,213.08	11,389.81	176.73
4,382.88	3,182.99	5,692.00	5,779.66	964.17	71,576.90	72,572.09	995.19
546.04	268.88	378.40	560.79	64.10	6,327.97	6,717.79	389.82

## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Kingsville.....	33.50	33.50	157,477.55	628.3	3,919.20	3,104.40	7,180.96
Kitchener.....	23.50	23.50	4,394,999.55	25,072.9	156,399.31	79,682.15	201,306.05
Lambeth.....	37.50	37.50	32,385.10	133.6	833.37	1,202.83	1,416.41
LaSalle.....	32.50	32.50	48,815.68	206.1	1,285.61	1,303.49	2,233.43
Leamington.....	32.50	32.50	406,486.41	1,613.1	10,062.17	7,949.00	18,525.95
Listowel.....	31.50	31.50	285,710.83	1,338.0	8,346.15	7,822.12	12,998.99
London.....	23.00	23.00	6,859,882.46	38,667.3	241,198.22	125,056.42	315,155.27
London Township..	29.50	29.50	110,235.61	528.5	3,296.67	2,413.72	4,942.27
Long Branch.....	25.50	25.50	184,398.44	997.4	6,221.56	3,706.82	8,400.26
Lucan.....	33.50	33.50	44,019.09	194.9	1,215.74	1,141.84	1,917.01
Lynden.....	33.50	33.50	26,290.80	116.3	725.45	706.81	1,195.22
Markham.....	32.50	32.50	83,222.65	370.6	2,311.72	1,988.01	3,812.91
Merlin.....	41.50	41.50	26,986.35	101.3	631.89	854.81	1,218.40
Merritton.....	20.00	20.00	1,110,908.09	7,682.7	47,923.02	18,793.22	50,791.26
Milton.....	30.50	30.50	260,892.58	1,320.2	8,235.12	5,630.30	11,872.35
Milverton.....	31.50	31.50	72,601.47	329.5	2,055.35	1,798.13	3,302.96
Mimico.....	22.50	22.50	413,873.60	2,419.0	15,089.20	8,479.27	18,932.24
Mitchell.....	29.50	29.50	135,666.90	664.6	4,145.64	3,669.62	6,181.11
Moorefield.....	58.00	58.00	15,700.78	38.6	240.78	504.77	675.06
Mount Brydges...	37.50	37.50	23,155.84	103.6	646.23	830.34	1,054.35
Newbury.....	49.50	49.50	8,990.94	32.0	199.61	419.96	401.13
New Hamburg....	30.50	30.50	124,854.92	590.2	3,681.54	2,812.92	5,685.80
New Toronto.....	25.50	25.50	2,075,300.15	10,816.6	67,471.60	43,664.35	94,651.96
Niagara Falls....	17.00	17.00	1,200,856.89	10,400.6	64,876.69	21,276.90	54,945.08
Niagara-on-the-Lake.....	22.50	22.50	115,160.40	793.6	4,950.30	2,847.51	5,232.64
North York Twp..	27.50	27.50	1,257,221.04	6,363.1	39,691.64	25,501.92	57,701.85
Norwich.....	30.50	30.50	91,400.63	408.6	2,548.76	1,937.65	4,119.99
Oil Springs.....	38.50	38.50	51,502.30	201.3	1,255.67	1,730.74	2,338.61
Otterville.....	40.50	40.50	29,815.23	112.9	704.25	868.01	1,331.37
Palmerston.....	34.00	34.00	127,289.25	552.9	3,448.87	4,108.31	5,793.19
Paris.....	24.50	24.50	327,983.97	1,801.5	11,237.37	6,454.47	14,992.02
Parkhill.....	55.50	55.50	66,587.47	193.0	1,203.89	2,349.75	3,022.43
Petrolia.....	35.50	35.50	265,853.00	1,118.9	6,979.45	7,265.50	12,063.44
Plattsville.....	44.00	44.00	30,713.44	109.4	682.41	1,120.03	1,389.58
Point Edward....	33.50	33.50	321,325.33	1,525.4	9,515.11	12,420.16	14,650.43

SYSTEM

N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,466.85	852.87	1,256.60	1,661.79	212.86	19,229.81	21,046.38	1,816.57
32,241.38	26,486.82	50,145.80	46,444.48	8,494.22	584,211.77	589,214.24	5,002.47
288.49	165.15	267.20	329.70	45.26	4,457.89	5,008.75	550.86
437.95	268.48	412.20	514.77	69.82	6,386.11	6,699.86	313.75
3,791.76	2,139.07	3,226.20	4,284.60	546.49	49,432.26	52,427.05	2,994.79
2,459.26	1,607.90	2,676.00	3,011.65	453.29	38,468.78	42,146.50	3,677.72
51,022.36	41,277.71	77,334.60	72,626.87	13,099.74	910,571.71	889,347.15	(21,224.56)
914.11	617.04	1,057.00	1,144.80	179.05	14,206.56	15,591.00	1,384.44
1,436.04	1,092.19	1,994.80	1,942.33	337.90	24,456.10	25,434.57	978.47
370.05	237.55	389.80	445.31	66.03	5,651.27	6,527.77	876.50
240.18	144.04	232.60	277.70	39.40	3,482.60	3,896.65	414.05
729.02	456.45	741.20	882.85	125.55	10,796.61	12,043.16	1,246.55
262.35	140.06	202.60	283.36	34.32	3,559.15	4,202.25	643.10
6,828.75	7,039.68	15,365.40	11,705.82	2,602.75	155,844.40	153,654.48	(2,189.92)
2,162.89	1,457.39	2,640.40	2,754.93	447.26	34,306.12	40,265.09	5,958.97
639.88	409.40	659.00	765.71	111.63	9,518.80	10,377.72	858.92
2,988.21	2,493.63	4,838.00	4,363.50	819.51	56,364.54	54,427.89	(1,936.65)
1,129.09	767.48	1,329.20	1,431.02	225.16	18,428.00	19,605.20	1,177.20
171.60	64.40	77.20	157.54	13.08	1,878.27	2,239.29	361.02
208.34	127.20	207.20	244.88	35.10	3,283.44	3,884.08	600.64
89.48	45.15	64.00	94.15	10.84	1,302.64	1,582.36	279.72
1,079.89	699.81	1,180.40	1,318.59	199.95	16,259.00	18,001.10	1,742.10
16,708.99	12,266.04	21,633.20	21,861.17	3,664.46	274,592.85	275,822.67	1,229.82
5,012.67	8,134.84	20,801.20	12,663.45	3,523.52	184,187.31	176,809.35	(7,377.96)
735.45	630.22	1,587.20	1,214.04	268.86	16,978.50	17,856.76	878.26
9,914.14	7,184.82	12,726.20	13,330.97	2,155.70	163,895.84	174,984.78	11,088.94
807.59	506.59	817.20	954.98	138.43	11,554.33	12,461.30	906.97
493.36	278.53	402.60	543.14	68.20	6,974.45	7,750.80	776.35
291.55	151.38	225.80	311.89	38.25	3,846.00	4,573.81	727.81
1,155.68	696.45	1,105.80	1,342.39	187.31	17,463.38	18,797.18	1,333.80
2,496.78	1,943.15	3,603.00	3,459.61	610.31	43,576.09	44,136.32	560.23
739.76	302.35	386.00	703.05	65.38	8,641.85	10,713.83	2,071.98
2,436.29	1,464.03	2,237.80	2,804.16	379.06	34,871.61	40,403.17	5,531.56
313.73	150.64	218.80	323.89	37.06	4,162.02	4,813.25	651.23
2,709.63	1,840.17	3,050.80	3,393.46	516.78	47,062.98	51,101.45	4,038.47



## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Port Colborne. . . . .	24.50	24.50	346,934.49	1,910.2	11,915.41	6,282.01	15,830.81
Port Credit. . . . .	29.50	29.50	146,155.31	750.0	4,678.34	3,386.89	6,660.43
Port Dalhousie. . . . .	25.50	25.50	141,567.81	814.3	5,079.43	3,185.05	6,422.74
Port Dover. . . . .	32.50	32.50	113,339.49	461.3	2,877.49	2,632.96	5,179.15
Port Rowan. . . . .	40.00	40.00	28,788.21	100.6	627.52	988.03	1,309.21
Port Stanley. . . . .	34.50	34.50	136,514.80	562.6	3,509.38	3,100.44	6,232.18
Preston. . . . .	24.00	24.00	617,452.09	3,535.1	22,051.19	12,581.84	28,257.48
Princeton. . . . .	40.50	40.50	37,358.15	120.7	752.90	1,170.22	1,704.07
Queenston. . . . .	24.50	24.50	20,055.94	136.4	850.83	438.04	907.62
Richmond Hill. . . . .	30.50	30.50	95,683.96	452.9	2,825.09	2,030.51	4,382.11
Ridgetown. . . . .	33.50	33.50	131,788.46	575.5	3,589.84	3,488.73	5,941.25
Riverside. . . . .	29.50	30.50	246,551.45	1,033.8	6,448.62	4,529.89	11,274.74
Rockwood. . . . .	35.50	35.50	27,919.77	113.2	706.12	587.62	1,270.87
Rodney. . . . .	44.00	44.00	49,089.47	166.6	1,039.21	1,755.66	2,230.04
St. Catharines. . . . .	20.00	20.50	3,149,098.46	21,807.3	136,029.21	55,514.31	143,342.22
St. Clair Beach. . . . .	35.50	35.50	24,109.60	90.0	561.40	664.01	1,100.03
St. George. . . . .	35.50	35.50	37,691.70	142.4	888.26	1,123.22	1,723.65
St. Jacobs. . . . .	29.50	29.50	62,287.92	310.6	1,937.46	1,391.04	2,837.04
St. Marys. . . . .	30.50	30.50	305,389.09	1,468.7	9,161.44	9,263.22	13,924.16
St. Thomas. . . . .	23.50	23.50	1,420,165.10	7,841.5	48,913.57	29,181.74	65,373.95
Sarnia. . . . .	28.50	28.50	2,084,332.01	9,779.4	61,001.77	47,210.41	95,365.05
Scarborough Twp. . . . .	27.50	27.50	779,630.58	3,944.0	24,601.82	14,826.87	35,343.11
Seaforth. . . . .	30.50	30.50	124,663.50	577.7	3,603.57	3,763.65	5,683.90
Simcoe. . . . .	25.50	25.50	482,774.94	2,444.6	15,248.88	9,465.05	22,170.77
Smithville. . . . .	35.08	35.00	42,170.67	156.6	976.84	1,047.38	1,791.90
Springfield. . . . .	43.50	43.50	19,438.60	67.3	419.80	462.72	896.73
Stamford Twp. . . . .	17.50	17.50	289,324.82	2,484.5	15,497.77	5,114.28	13,225.57
Stouffville. . . . .	40.50	40.50	68,366.72	272.5	1,699.80	2,157.59	3,102.73
Stratford. . . . .	25.50	25.50	1,355,913.83	7,267.4	45,332.46	28,635.18	61,957.21
Strathroy. . . . .	29.50	29.50	267,343.01	1,302.0	8,121.60	6,167.65	12,217.49
Streetsville. . . . .	34.00	34.00	38,177.46	188.4	1,175.20	1,133.00	1,728.86
Sutton. . . . .	43.00	43.00	78,054.05	253.2	1,579.41	1,998.04	3,385.13
Swansea. . . . .	29.00	29.00	511,294.86	3,011.3	18,783.84	18,550.58	23,288.51
Tavistock. . . . .	31.50	31.50	137,919.23	639.7	3,990.31	3,344.38	6,276.83
Tecumseh. . . . .	32.50	32.50	95,796.27	373.5	2,329.81	2,108.88	4,379.98

SYSTEM N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
				Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,772.52	2,113.67	3,820.40	3,655.23	647.14	45,742.91	46,800.77	1,057.86
1,198.53	857.46	1,500.00	1,543.86	254.09	19,571.42	22,125.75	2,554.33
1,073.01	837.41	1,628.60	1,485.87	275.87	19,436.24	20,764.68	1,328.44
1,081.53	603.23	922.60	1,199.40	156.28	14,340.08	14,993.06	652.98
296.92	143.60	201.20	304.44	34.08	3,836.84	4,025.67	188.83
1,295.58	730.10	1,125.20	1,445.06	190.60	17,247.34	19,409.71	2,162.37
4,519.19	3,722.20	7,070.20	6,522.77	1,197.62	83,527.25	84,842.78	1,315.53
398.22	174.88	241.40	393.91	40.89	4,794.71	4,888.35	93.64
130.35	123.57	272.80	211.43	46.21	2,888.43	3,341.00	452.57
800.61	539.29	905.80	1,015.51	153.43	12,345.49	13,812.43	1,466.94
1,160.55	720.52	1,151.00	1,378.26	194.97	17,235.18	19,279.07	2,043.89
2,220.99	1,367.66	2,067.60	2,599.14	350.23	30,158.41	31,329.94	1,171.53
267.55	149.20	226.40	294.88	38.35	3,464.29	4,018.02	553.73
513.31	238.47	333.20	518.94	56.44	6,572.39	7,328.94	756.55
19,148.72	19,887.89	43,614.60	33,033.87	7,387.89	443,182.93	445,284.82	2,101.89
230.53	125.85	180.00	252.37	30.49	3,083.70	3,195.31	111.61
374.79	196.80	284.80	398.02	48.24	4,941.30	5,053.41	112.11
517.06	359.66	621.20	657.94	105.23	8,216.17	9,161.96	945.79
2,523.21	1,763.13	2,937.40	3,219.63	497.57	42,294.62	44,794.18	2,499.56
10,804.61	8,524.53	15,683.00	15,049.52	2,656.55	190,874.37	184,275.25	(6,599.12)
17,754.78	11,849.21	19,558.80	22,024.63	3,313.07	271,451.58	278,711.95	7,260.37
6,055.77	4,410.16	7,888.00	8,186.41	1,336.15	99,975.99	108,460.91	8,484.92
1,082.49	685.65	1,155.40	1,314.84	195.71	17,093.79	17,620.84	527.05
3,963.65	2,773.93	4,889.20	5,115.04	828.18	62,798.34	62,338.55	(459.79)
388.30	217.30	313.20	413.37	53.05	5,095.24	5,482.44	387.20
205.92	94.76	134.60	208.61	22.80	2,400.34	2,927.92	527.58
1,234.38	1,950.83	4,969.00	3,051.00	841.70	44,201.13	43,479.48	(721.65)
643.65	351.40	545.00	724.69	92.32	9,132.54	11,035.93	1,903.39
10,432.58	8,040.09	14,534.80	14,304.57	2,462.06	180,774.83	185,319.53	4,544.70
2,263.28	1,479.64	2,604.00	2,828.25	441.09	35,240.82	38,409.22	3,168.40
323.02	221.34	376.80	403.23	63.83	5,297.62	6,406.14	1,108.52
760.31	355.73	506.40	787.26	85.78	9,286.50	10,888.33	1,601.83
3,422.17	3,031.26	6,022.60	5,407.00	1,020.17	77,485.79	87,327.22	9,841.43
1,196.82	779.35	1,279.40	1,454.65	216.72	18,105.02	20,149.00	2,043.98
903.22	513.69	747.00	1,009.80	126.53	11,865.85	12,139.31	273.46

## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Thamesford....	34.00	34.00	50,876.32	206.4	1,287.48	1,279.13	2,322.49
Thamesville....	35.50	35.50	50,189.37	217.0	1,353.60	1,562.37	2,255.68
Thedford.....	55.00	55.00	33,358.61	95.8	597.58	1,307.36	1,511.63
Thorndale.....	50.00	50.00	22,081.19	73.9	460.97	661.73	995.30
Thorold.....	21.00	21.00	368,961.99	2,404.0	14,995.63	6,733.82	16,867.72
Tilbury.....	33.50	33.50	190,466.23	830.8	5,182.35	5,206.71	8,620.24
Tillsonburg....	28.50	28.50	275,945.08	1,329.4	8,292.51	5,656.48	12,510.78
Toronto.....	22.60	22.60	56,936,327.12	336,346.5	2,098,056.45	978,819.20	2,608,750.89
Toronto Twp...	27.50	27.50	504,304.64	2,515.9	15,693.64	9,684.57	23,074.10
Trafalga Twp..							
Area No. 1...	26.50	26.50	78,768.87	383.2	2,390.32	1,831.89	3,611.55
Trafalgar Twp.							
Area No. 2...	27.50	27.50	33,787.17	151.2	943.15	909.50	1,552.06
Wallaceburg....	31.50	31.50	615,004.02	2,754.1	17,179.48	13,996.05	27,868.64
Wardsville.....	57.50	57.50	11,622.46	38.4	239.53	496.10	516.74
Waterdown.....	27.50	27.50	38,576.16	203.8	1,271.26	969.34	1,763.27
Waterford.....	27.50	27.50	94,860.47	461.3	2,877.49	1,987.35	4,338.18
Waterloo.....	24.00	24.00	829,204.43	4,672.0	29,142.92	15,256.21	37,968.40
Watford.....	45.50	45.50	100,937.68	374.2	2,334.18	3,195.42	4,556.38
Welland.....	19.50	19.50	1,361,629.11	10,581.4	66,004.48	23,812.59	62,130.64
Wellesley.....	44.00	44.00	30,170.80	118.8	741.05	834.50	1,346.51
West Lorne....	36.50	36.50	48,676.36	196.2	1,223.85	1,633.05	2,226.46
Weston.....	23.00	23.00	758,809.71	4,237.7	26,433.85	13,854.03	34,872.20
Wheatley.....	45.00	45.00	60,585.84	185.4	1,156.48	1,502.31	2,746.36
Windsor.....	26.00	26.00	9,170,774.02	44,665.3	278,612.44	150,817.17	418,712.21
Woodbridge....	30.50	30.50	134,688.11	641.7	4,002.79	2,629.09	6,149.27
Woodstock....	24.50	24.50	1,349,339.32	7,385.3	46,067.90	26,219.26	61,610.90
Wyoming.....	47.50	47.50	22,630.85	72.5	452.24	758.03	1,028.16
York Township..	25.50	25.50	2,768,064.86	14,276.2	89,051.84	55,311.55	124,012.74
Zurich.....	55.00	50.00	39,127.71	119.5	745.42	1,060.78	1,760.22
Ontario Reformatory.....			54,171.09	288.8	1,801.47	1,154.07	2,473.07
Toronto Transportation Comm...			75,005.55	425.8	2,656.05	1,526.60	3,372.18
Totals—Municipalities.....			151,635,530.66	864,531.2	5,392,758.02	2,811,599.00	6,936,999.35
Totals—Rural power districts....			11,749,848.51	53,497.1	333,703.41	264,336.02	533,893.24
Totals—Companies.....			50,986,049.79	285,096.7	2,037,869.99	1,199,140.69	2,098,748.19
Totals—Local distribution sys...			767,265.80	2,622.9	16,361.09	42,968.78	35,351.67
			215,138,694.76				
Non-operating capital.....			2,705,782.70				
Grand Totals.....			217,844,477.46	1,205,747.9	7,780,692.51	4,318,044.49	9,604,992.45



SYSTEM

N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to  
from each Municipality, and the amount remaining to be credited  
applied to it in the year ended October 31, 1941

Costs and fixed charges				Revenue received in excess of cost of power sold to private com- panies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contin- gencies and obso- lescence	Provision for stabiliza- tion of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
486.19	272.05	412.80	537.79	69.92	6,528.01	7,017.31	489.30
445.06	276.92	434.00	524.93	73.52	6,779.04	7,702.63	923.59
367.69	154.25	191.60	351.78	32.46	4,449.43	5,267.85	818.42
232.06	105.25	147.80	233.25	25.04	2,811.32	3,693.33	882.01
2,457.20	2,309.78	4,808.00	3,887.80	814.43	51,245.52	50,483.32	(762.20)
1,682.63	1,043.87	1,661.60	1,994.75	281.46	25,110.69	27,831.54	2,720.85
2,327.81	1,534.41	2,658.80	2,896.67	450.37	35,427.09	37,886.95	2,459.86
379,648.82	337,712.22	672,693.00	602,115.27	113,947.70	7,563,848.15	7,601,430.69	37,582.54
4,236.84	2,942.88	5,031.80	5,330.80	852.33	65,142.30	69,186.56	4,044.26
674.44	465.24	766.40	832.39	129.82	10,442.41	10,155.69	(286.72)
306.69	196.94	302.40	356.91	51.22	4,516.43	4,157.30	(359.13)
5,353.64	3,377.16	5,508.20	6,455.17	933.04	78,805.30	86,755.43	7,950.13
119.87	56.25	76.80	121.75	13.01	1,614.03	2,207.07	593.04
308.88	225.02	407.60	408.00	69.04	5,284.33	5,603.62	319.29
801.41	547.97	922.60	1,002.75	156.28	12,321.47	12,687.04	365.57
6,161.57	4,963.36	9,344.00	8,762.29	1,582.78	110,015.97	112,127.40	2,111.43
996.16	521.74	748.40	1,065.14	126.77	13,290.65	17,028.00	3,737.35
7,174.03	9,029.71	21,162.80	14,354.12	3,584.78	200,083.59	206,337.17	6,253.58
292.96	156.77	237.60	318.48	40.25	3,887.62	5,226.11	1,338.49
467.48	258.01	392.40	514.94	66.47	6,649.72	7,162.15	512.43
5,375.25	4,397.44	8,475.40	8,016.54	1,435.65	99,989.06	97,466.52	(2,522.54)
643.80	280.97	370.80	638.46	62.81	7,276.37	8,342.29	1,065.92
73,723.17	52,604.62	89,330.60	96,687.05	15,131.75	1,145,355.51	1,161,297.58	15,942.07
1,115.98	747.72	1,283.40	1,425.94	217.40	17,136.79	19,570.54	2,433.75
10,273.41	8,061.06	14,770.60	14,225.81	2,502.00	178,726.94	180,939.44	2,212.50
238.92	108.19	145.00	238.60	24.56	2,944.58	3,441.38	496.80
20,390.44	15,649.90	28,552.40	28,608.54	4,836.50	356,740.91	364,043.31	7,302.40
426.50	180.19	239.00	413.16	40.48	4,784.79	6,074.01	1,289.22
426.70	318.00	577.60	572.70	97.84	7,225.77	7,797.85	572.08
557.72	444.79	851.60	790.34	144.25	10,055.03	12,467.18	2,412.15
1,087,776.28	899,300.53	1,728,253.00	1,601,204.86	(292,749.47)	20,165,141.57	20,480,731.25	376,770.84 (61,181.16)
102,514.64	65,154.56	106,994.20	123,164.05	(18,123.76)	1,511,636.36	1,511,636.36	.....
312,785.58	4,333,020.48	.....	480,563.02	279,884.12	10,742,012.07	10,742,012.07	.....
9,441.62	5,638.55	.....	8,155.30	30,989.11	148,906.12	148,906.12	.....
1,512,518.12	5,303,114.12	1,835,247.20	2,213,087.23	.....	32,567,696.12	32,883,285.80	376,770.84 (61,181.16)

## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Acton.....	Jan. 1913	913.22	
Agincourt.....	Nov. 1922	1,115.20	
Ailsa Craig.....	Jan. 1916	505.98	
Alvinston.....	Apr. 1922	1,543.52	
Amherstburg.....	Nov. 1925	807.10	
Ancaster Township.....	May 1923	708.56	
Arkona.....	Dec. 1926	747.35	
Aylmer.....	Mar. 1918	1,792.59	
Ayr.....	Jan. 1915		41.15
Baden.....	May 1912	396.20	
Beachville.....	Aug. 1912	135.12	
Beamsville.....	May 1937	522.46	
Belle River.....	Dec. 1922	513.29	
Blenheim.....	Nov. 1915	2,337.46	
Blyth.....	July 1924	999.54	
Bolton.....	Feb. 1915	825.40	
Bothwell.....	Sept. 1915	1,165.03	
Brampton.....	Nov. 1911	6,130.76	
Brantford.....	Feb. 1914		6,686.19
Brantford Township.....	May 1924		80.36
Bridgeport.....	Mar. 1928	214.09	
Brigden.....	Jan. 1918	966.93	
Brussels.....	July 1924	962.22	
Burford.....	June 1915	512.25	
Burgessville.....	Nov. 1916	481.36	
Caledonia.....	Oct. 1912		97.20
Campbellville.....	Jan. 1925	86.13	
Cayuga.....	Nov. 1924	868.53	
Chatham.....	Feb. 1915	5,720.17	
Chippawa.....	Sept. 1919	510.81	
Clifford.....	May 1924	712.49	
Clinton.....	Mar. 1914	2,092.31	
Comber.....	May 1915	406.53	
Cottam.....	Nov. 1926	294.53	
Courtright.....	Dec. 1923	175.23	
Dashwood.....	Sept. 1917	595.44	
Delaware.....	Mar. 1915	277.62	
Delhi.....	May 1938	3,554.84	
Dorchester.....	Dec. 1914	412.55	
Drayton.....	Mar. 1918	770.68	
Dresden.....	April 1915	2,261.28	
Drumbo.....	Dec. 1914	330.03	
Dublin.....	Oct. 1917	335.54	
Dundas.....	Jan. 1911		522.22
Dunnville.....	June 1918	5,720.52	

SYSTEM

N—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	913.22	2,561.38	.....	2,561.38	.....
.....	1,115.20	1,670.81	.....	1,670.81	.....
.....	505.98	903.40	.....	903.40	.....
.....	1,543.52	1,353.70	.....	1,353.70	.....
.....	807.10	2,659.53	.....	2,659.53	.....
.....	708.56	710.53	.....	710.53	.....
.....	747.35	818.25	.....	818.25	.....
.....	1,792.59	1,696.24	.....	1,696.24	.....
41.15	.....	.....	641.05	.....	641.05
.....	396.20	544.33	.....	544.33	.....
.....	135.12	703.67	.....	703.67	.....
.....	522.46	.....	179.34	.....	179.34
.....	513.29	634.57	.....	634.57	.....
.....	2,337.46	2,280.46	.....	2,280.46	.....
.....	999.54	637.87	.....	637.87	.....
.....	825.40	990.76	.....	990.76	.....
.....	1,165.03	1,129.80	.....	1,129.80	.....
.....	6,130.76	8,074.23	.....	8,074.23	.....
6,686.19	.....	.....	5,970.65	.....	5,970.65
80.36	.....	.....	43.71	.....	43.71
.....	214.09	264.62	.....	264.62	.....
.....	966.93	987.42	.....	987.42	.....
.....	962.22	737.56	.....	737.56	.....
.....	512.25	448.03	.....	448.03	.....
.....	481.36	65.52	.....	65.52	.....
97.20	.....	264.16	.....	264.16	.....
.....	86.13	95.12	.....	95.12	.....
.....	868.53	756.37	.....	756.37	.....
.....	5,720.17	6,117.34	.....	6,117.34	.....
.....	510.81	358.20	.....	358.20	.....
.....	712.49	624.88	.....	624.88	.....
.....	2,092.31	1,776.78	.....	1,776.78	.....
.....	406.53	551.94	.....	551.94	.....
.....	294.53	442.32	.....	442.32	.....
.....	175.23	385.31	.....	385.31	.....
.....	596.44	692.68	.....	692.68	.....
.....	277.62	406.61	.....	406.61	.....
.....	3,554.84	2,156.27	.....	2,156.27	.....
.....	412.55	537.82	.....	537.82	.....
.....	770.68	563.39	.....	563.39	.....
.....	2,261.28	2,274.53	.....	2,274.53	.....
.....	330.03	163.65	.....	163.65	.....
.....	335.54	357.11	.....	357.11	.....
522.22	.....	.....	1.82	.....	1.82
.....	5,720.52	6,750.97	.....	6,750.97	.....



## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Dutton.....	Sept. 1915	369.17	
East York township.....	July 1925	7,401.39	
Elmira.....	Nov. 1913	1,708.85	
Elora.....	Nov. 1914	782.36	
Embro.....	Jan. 1915	760.27	
Erieau.....	July 1924	956.82	
Erie Beach.....	July 1925	225.87	
Essex.....	Nov. 1923	900.66	
Etobicoke township.....	Aug. 1917		2,984.15
Exeter.....	June 1916	2,615.27	
Fergus.....	Nov. 1914	3,734.34	
Fonthill.....	June 1926	257.01	
Forest.....	Mar. 1917	2,021.11	
Forest Hill Village.....	Jan. 1938	8,401.35	
Galt.....	May 1911		63.58
Georgetown.....	Sept. 1913	4,007.26	
Glencoe.....	Aug. 1920	1,868.09	
Goderich.....	Feb. 1914	6,776.66	
Granton.....	July 1916	496.85	
Guelph.....	Dec. 1910		5,002.33
Hagersville.....	Sept. 1913		779.91
Hamilton.....	Feb. 1911		75,539.79
Harriston.....	July 1916	1,507.55	
Harrow.....	Nov. 1923	689.02	
Hensall.....	Jan. 1917	1,479.10	
Hespeler.....	Feb. 1911	1,331.34	
Highgate.....	Dec. 1916	446.00	
Humberstone.....	Oct. 1924	121.15	
Ingersoll.....	May 1911	1,376.96	
Jarvis.....	Feb. 1924	38.32	
Kingsville.....	Nov. 1923	1,422.71	
Kitchener.....	Jan. 1911	1,032.99	
Lambeth.....	April 1915	717.95	
LaSalle.....	Nov. 1925		99.58
Leamington.....	Nov. 1923	2,535.77	
Listowel.....	June 1916	2,579.35	
London.....	Jan. 1911		20,015.67
London township.....	Jan. 1925	1,207.16	
Long Branch.....	Jan. 1931	1,147.75	
Lucan.....	Feb. 1915	787.29	
Lynden.....	Nov. 1915	379.98	
Markham.....	April 1920	823.47	
Merlin.....	Dec. 1922	586.33	
Merritton.....	Nov. 1920		2,944.35
Milton.....	April 1913	3,904.90	

## SYSTEM

## N—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	369.17	641.61	.....	641.61	.....
.....	7,401.39	12,861.12	.....	12,861.12	.....
.....	1,708.85	2,163.64	.....	2,163.64	.....
.....	782.36	884.93	.....	884.93	.....
.....	760.27	716.47	.....	716.47	.....
.....	956.82	277.47	.....	277.47	.....
.....	225.87	37.90	.....	37.90	.....
.....	900.66	1,417.42	.....	1,417.42	.....
2,984.15	.....	.....	6,675.84	.....	6,675.84
.....	2,615.27	2,897.18	.....	2,897.18	.....
.....	3,734.34	3,752.31	.....	3,752.31	.....
.....	257.01	385.25	.....	385.25	.....
.....	2,021.11	2,300.81	.....	2,300.81	.....
.....	8,401.35	14,863.55	.....	14,863.55	.....
63.58	.....	692.24	.....	692.24	.....
.....	4,007.26	5,025.82	.....	5,025.82	.....
.....	1,868.09	1,659.31	.....	1,659.31	.....
.....	6,776.66	6,537.30	.....	6,537.30	.....
.....	496.85	646.00	.....	646.00	.....
5,002.33	.....	.....	3,228.51	.....	3,228.51
.....	.....	506.62	.....	506.62	.....
779.91	.....	24,993.46	.....	24,993.46	.....
75,539.79	.....	655.29	.....	655.29	.....
.....	1,507.55	1,517.26	.....	1,517.26	.....
.....	689.02	1,664.12	.....	1,664.12	.....
.....	1,479.10	.....	.....	.....	.....
.....	1,331.34	1,648.05	.....	1,648.05	.....
.....	446.00	570.57	.....	570.57	.....
.....	121.15	176.73	.....	176.73	.....
.....	1,376.96	995.19	.....	995.19	.....
.....	38.32	389.82	.....	389.82	.....
.....	1,422.71	1,816.57	.....	1,816.57	.....
.....	1,032.99	5,002.47	.....	5,002.47	.....
.....	717.95	550.86	.....	550.86	.....
99.58	.....	313.75	.....	313.75	.....
.....	2,535.77	2,994.79	.....	2,994.79	.....
.....	2,579.35	3,677.72	.....	3,677.72	.....
20,015.67	.....	.....	21,224.56	.....	21,224.56
.....	1,207.16	1,384.44	.....	1,384.44	.....
.....	1,147.75	978.47	.....	978.47	.....
.....	787.29	876.50	.....	876.50	.....
.....	379.98	414.05	.....	414.05	.....
.....	823.47	1,246.55	.....	1,246.55	.....
.....	586.33	643.10	.....	643.10	.....
2,944.35	.....	.....	2,189.92	.....	2,189.92
.....	3,904.90	5,958.97	.....	5,958.97	.....

## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Milverton.....	June 1916	740.61	
Mimico.....	May 1912		979.89
Mitchell.....	Sept. 1911	1,187.67	
Moorefield.....	Mar. 1918	374.28	
Mount Brydges.....	Mar. 1915	414.69	
Newbury.....	Mar. 1921	329.11	
New Hamburg.....	Mar. 1911	1,739.46	
New Toronto.....	Feb. 1914	5,848.30	
Niagara Falls.....	Dec. 1915		2,807.26
Niagara-on-the-Lake.....	Aug. 1919	1,493.86	
North York Township.....	Nov. 1923	5,061.01	
Norwich.....	May 1912	981.17	
Oil Springs.....	Feb. 1918	907.33	
Otterville.....	Feb. 1916	1,070.12	
Palmerston.....	July 1916	1,316.99	
Paris.....	Feb. 1914	253.98	
Parkhill.....	May 1920	1,424.91	
Petrolia.....	May 1916	4,471.59	
Plattsville.....	Dec. 1914	690.71	
Point Edward.....	Nov. 1916	3,600.26	
Port Colborne.....	Mar. 1920	719.36	
Port Credit.....	Aug. 1912	1,896.03	
Port Dalhousie.....	Nov. 1912	1,140.40	
Port Dover.....	Dec. 1921	997.78	
Port Rowan.....	Nov. 1926	580.75	
Port Stanley.....	April 1912	1,743.67	
Preston.....	Jan. 1911	1,096.42	
Princeton.....	Jan. 1915	155.92	
Queenston.....	Mar. 1921	426.45	
Richmond Hill.....	June 1925	908.96	
Ridgetown.....	Dec. 1915	1,667.99	
Riverside.....	Nov. 1922		475.06
Rockwood.....	Sept. 1913	427.12	
Rodney.....	Feb. 1917	936.84	
St. Catharines.....	April 1914		8,005.35
St. Clair Beach.....	Nov. 1922		365.32
St. George.....	Sept. 1915	90.50	
St. Jacobs.....	Sept. 1917	699.03	
St. Marys.....	May 1911	1,665.99	
St. Thomas.....	April 1911		4,781.00
Sarnia.....	Dec. 1916	6,682.24	
Scarborough township.....	Aug. 1918	7,523.68	
Seaforth.....	Nov. 1911	965.63	
Simcoe.....	Aug. 1915	122.56	
Smithville.....	Nov. 1940		



## SYSTEM

## N—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
979.89	740.61	858.92	1,936.65	858.92	1,936.65
	1,187.67	1,177.20		1,177.20	
	374.28	361.02		361.02	
	414.69	600.64		600.64	
	329.11	279.72		279.72	
	1,739.46	1,742.10		1,742.10	
2,807.26	5,848.30	1,229.82		1,229.82	
	1,493.86	878.26	7,377.96	878.26	7,377.96
	5,061.01	11,088.94		11,088.94	
	981.17	906.97		906.97	
	907.33	776.35		776.35	
	1,070.12	727.81		727.81	
	1,316.99	1,333.80		1,333.80	
	253.98	560.23		560.23	
	1,424.91	2,071.98		2,071.98	
	4,471.59	5,531.56		5,531.56	
	690.71	651.23		651.23	
	3,600.26	4,038.47		4,038.47	
	719.36	1,057.86		1,057.86	
	1,896.03	2,554.33		2,554.33	
	1,140.40	1,328.44		1,328.44	
	997.78	652.98		652.98	
	580.75	188.83		188.83	
	1,743.67	2,162.37		2,162.37	
	1,096.42	1,315.53		1,315.53	
	155.92	93.64		93.64	
	426.45	452.57		452.57	
	908.96	1,466.94		1,466.94	
	1,667.99	2,043.89		2,043.89	
475.06		1,171.53		1,171.53	
	427.12	553.73		553.73	
	936.84	756.55		756.55	
8,005.35		2,101.89		2,101.89	
365.32		111.61		111.61	
	90.50	112.11		112.11	
	699.03	945.79		945.79	
3,595.00	1,665.99	2,499.56	6,599.12	2,499.56	7,785.12
	6,682.24	7,260.37		7,260.37	
	7,523.68	8,484.92		8,484.92	
	965.63	527.05		527.05	
	122.56		459.79		459.79
		387.20		387.20	

## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Springfield .....	Aug. 1917	331.52	
Stamford Township .....	Nov. 1916		3.70
Stouffville .....	Sept. 1923	1,833.17	
Stratford .....	Jan. 1911	2,573.31	
Strathroy .....	Dec. 1914	2,291.95	
Streetsville .....	Dec. 1934	944.14	
Sutton .....	Aug. 1923	1,311.01	
Swansea .....	Oct. 1937	8,812.69	
Tavistock .....	Nov. 1916	1,563.55	
Tecumseh .....	Nov. 1922		137.72
Thamesford .....	Feb. 1914	459.53	
Thamesville .....	Oct. 1915	995.68	
Theford .....	May 1922	772.89	
Thorndale .....	Mar. 1914	711.60	
Thorold .....	Jan. 1921		839.98
Tilbury .....	April 1915	1,631.81	
Tillsonburg .....	Aug. 1911	2,838.79	
Toronto .....	June 1911	69,355.77	
Toronto Township .....	Aug. 1913	1,709.80	
Trafalgar Township Area No. 1 .....	Nov. 1936		182.46
Trafalgar Township Area No. 2 .....	Nov. 1936		228.45
Wallaceburg .....	Feb. 1915	6,850.05	
Wardville .....	June 1921	565.67	
Waterdown .....	Nov. 1911	322.45	
Waterford .....	April 1915	460.76	
Waterloo .....	Dec. 1910	866.49	
Watford .....	Sept. 1917	3,286.67	
Welland .....	Sept. 1917	4,733.11	
Wellesley .....	Nov. 1916	1,339.46	
West Lorne .....	Jan. 1917	306.99	
Weston .....	Aug. 1911		4,191.31
Wheatley .....	Feb. 1924	1,187.32	
Windsor .....	Oct. 1914	24,669.36	
Woodbridge .....	Dec. 1914	1,874.00	
Woodstock .....	Jan. 1911	2,524.92	
Wyoming .....	Nov. 1916	303.45	
York Township .....	Jan. 1941		
Zurich .....	Sept. 1917	1,386.77	
Ontario Reformatory .....	Sept. 1913	490.83	
Toronto Transportation Commission .....	Jan. 1927	2,562.26	
Totals—Municipalities .....		331,040.42	137,853.98
Totals—Rural power districts .....		1,901,831.84	446,120.62
Grand totals .....		2,232,872.26	583,974.60

SYSTEM

N—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3.70	331.52	527.58	721.65	527.58	721.65
	1,833.17	1,903.39		1,903.39	
	2,573.31	4,544.70		4,544.70	
	2,291.95	3,168.40		3,168.40	
	944.14	1,108.52		1,108.52	
	1,311.01	1,601.83		1,601.83	
	8,812.69	9,841.43		9,841.43	
	1,563.55	2,043.98		2,043.98	
137.72		273.46		273.46	
	459.53	489.30		489.30	
	995.68	923.59		923.59	
	772.89	818.42		818.42	
	711.60	882.01		882.01	
839.98			762.20		762.20
	1,631.81	2,720.85		2,720.85	
	2,838.79	2,459.86		2,459.86	
	69,355.77	37,582.54		37,582.54	
	1,709.80	4,044.26		4,044.26	
182.46			286.72		286.72
228.45			359.13		359.13
	6,850.05	7,950.13		7,950.13	
	565.67	593.04		593.04	
	322.45	319.29		319.29	
	460.76	365.57		365.57	
	866.49	2,111.43		2,111.43	
	3,286.67	3,737.35		3,737.35	
	4,733.11	6,253.58		6,253.58	
	1,339.46	1,338.49		1,338.49	
	306.99	512.43		512.43	
4,191.31			2,522.54		2,522.54
	1,187.32	1,065.92		1,065.92	
	24,669.36	15,942.07		15,942.07	
	1,874.00	2,433.75		2,433.75	
	2,524.92	2,212.50		2,212.50	
	303.45	496.80		496.80	
		7,302.40		7,302.40	
	1,386.77	1,289.22		1,289.22	
	490.83	572.08		572.08	
	2,562.26	2,412.15		2,412.15	
136,667.98	331,040.42	376,770.84	61,181.16	376,770.84	62,367.16
76,129.40	18,302.66	305,568.26	73,446.89	2,256,908.09	511,248.76
212,797.38	349,343.08	682,339.10	134,628.05	2,633,678.93	573,615.92



## NIAGARA SYSTEM

## N—SINKING FUND

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1941

Municipality	Period of years ended Oct. 31, 1941	Amount	Municipality	Period of years ended Oct. 31, 1941	Amount
		\$ c.			\$ c.
Acton.....	24 years	77,616.00	Dutton.....	21 years	22,004.04
Agincourt.....	17 "	12,625.37	East York Twp.....	17 "	313,011.37
Ailsa Craig.....	21 "	16,947.83	Elmira.....	23 "	85,004.90
Alvinston.....	18 "	17,020.63	Elora.....	22 "	41,009.03
Amherstburg.....	24 "	60,739.45	Embrow.....	22 "	12,442.80
Ancaster Township..	18 "	19,440.61	Erieau.....	18 "	7,386.20
Arkona.....	15 "	6,951.65	Erie Beach.....	17 "	1,842.30
Aylmer.....	18 "	48,369.06	Essex.....	18 "	35,333.19
Ayr.....	22 "	16,804.67	Etobicoke Twp.....	19 "	251,540.22
Baden.....	24 "	35,318.32	Exeter.....	20 "	46,862.48
Beachville.....	24 "	45,658.83	Fergus.....	22 "	70,847.37
Beamsville.....	5 "	5,412.16	Fonthill.....	16 "	7,259.67
Belle River.....	19 "	11,755.99	Forest.....	19 "	37,501.36
Blenheim.....	21 "	42,293.16	Forest Hill Village..	18 "	199,995.60
Blyth.....	18 "	11,033.11	Galt.....	25 "	608,515.67
Bolton.....	21 "	19,467.28	Georgetown.....	23 "	116,147.42
Bothwell.....	21 "	19,153.31	Glencoe.....	18 "	22,762.97
Brampton.....	25 "	192,114.68	Goderich.....	22 "	137,160.81
Brantford.....	22 "	1,016,437.09	Granton.....	20 "	8,918.99
Brantford Township.	17 "	39,141.30	Guelph.....	25 "	739,326.60
Bridgeport.....	14 "	7,131.06	Hagersville.....	23 "	84,636.25
Brigden.....	19 "	13,109.35	Hamilton.....	25 "	5,430,304.98
Brussels.....	18 "	14,626.36	Harriston.....	20 "	37,609.57
Burford.....	21 "	15,316.07	Harrow.....	18 "	28,469.43
Burgessville.....	20 "	5,919.94	Hensall.....	20 "	18,464.63
Caledonia.....	24 "	25,532.74	Hespeler.....	25 "	129,825.43
Campbellville.....	17 "	2,942.52	Highgate.....	20 "	10,690.32
Cayuga.....	17 "	10,982.11	Humberstone.....	18 "	23,898.50
Chatham.....	21 "	445,007.72	Ingersoll.....	25 "	204,850.17
Chippawa.....	19 "	19,166.17	Jarvis.....	18 "	16,834.54
Clifford.....	18 "	8,046.19	Kingsville.....	18 "	45,913.75
Clinton.....	22 "	52,086.50	Kitchener.....	25 "	1,455,457.02
Comber.....	21 "	20,473.57	Lambeth.....	21 "	10,848.28
Cottam.....	15 "	5,001.06	LaSalle.....	16 "	15,744.77
Courtright.....	18 "	6,367.71	Leamington.....	18 "	98,474.32
Dashwood.....	19 "	9,411.47	Listowel.....	20 "	86,732.10
Delaware.....	21 "	3,733.11	London.....	25 "	2,719,372.84
Delhi.....	4 "	5,768.25	London Township..	17 "	23,386.09
Dorchester.....	22 "	8,515.27	Long Branch.....	11 "	30,331.44
Drayton.....	18 "	14,038.82	Lucan.....	21 "	20,278.92
Dresden.....	21 "	35,673.33	Lynden.....	21 "	14,391.34
Drumbo.....	22 "	7,406.37	Markham.....	18 "	21,575.05
Dublin.....	19 "	6,296.24	Merlin.....	18 "	12,820.04
Dundas.....	25 "	155,913.24	Merritton.....	20 "	179,722.80
Dunnville.....	18 "	69,577.24	Milton.....	23 "	110,785.81

## NIAGARA SYSTEM

## N—SINKING FUND

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1941

Municipality	Period of years ended Oct. 31, 1941	Amount	Municipality	Period of years ended Oct. 31, 1941	Amount
		\$ c.			\$ c.
Milverton.....	20 years	46,552.97	Springfield.....	19 years	9,922.74
Mimico.....	24 "	156,792.27	Stamford Township..	20 "	107,222.49
Mitchell.....	25 "	49,061.69	Stouffville.....	18 "	18,438.01
Moorefield.....	18 "	6,768.56	Stratford.....	25 "	649,469.98
Mount Brydges....	21 "	8,472.84	Strathroy.....	22 "	96,725.05
Newbury.....	18 "	4,920.17	Streetsville.....	7 "	3,051.09
New Hamburg.....	25 "	53,992.73	Sutton.....	18 "	18,203.19
New Toronto.....	22 "	502,521.76	Swansea.....	16 "	91,929.35
Niagara Falls.....	21 "	623,841.04	Tavistock.....	20 "	49,431.52
Niagara-on-the-Lake.	18 "	34,777.21	Tecumseh.....	19 "	28,478.38
North York Twp....	18 "	173,997.74	Thamesford.....	22 "	18,616.75
Norwich.....	24 "	40,038.40	Thamesville.....	21 "	19,067.52
Oil Springs.....	18 "	26,997.21	Thedford.....	18 "	10,393.67
Otterville.....	20 "	9,766.69	Thorndale.....	22 "	9,226.26
Palmerston.....	20 "	47,341.57	Thorold.....	19 "	111,483.53
Paris.....	22 "	123,501.71	Tilbury.....	21 "	51,257.68
Parkhill.....	18 "	20,989.19	Tillsonburg.....	25 "	96,353.31
Petrolia.....	20 "	111,222.25	Toronto.....	25 "	20,521,051.81
Plattsville.....	22 "	10,007.54	Toronto Twp.....	23 "	124,410.47
Point Edward.....	19 "	67,306.18	Trafalgar Twp., Area 1	5 "	6,076.34
Port Colborne.....	20 "	103,115.79	Trafalgar Twp., Area 2	5 "	2,025.48
Port Credit.....	24 "	44,998.73	Wallaceburg.....	21 "	204,765.39
Port Dalhousie....	20 "	40,025.07	Wardsville.....	18 "	4,002.18
Port Dover.....	18 "	28,807.26	Waterdown.....	25 "	24,228.19
Port Rowan.....	15 "	7,550.45	Waterford.....	21 "	35,018.97
Port Stanley.....	24 "	44,561.11	Waterloo.....	25 "	286,368.44
Preston.....	25 "	282,550.94	Watford.....	19 "	25,887.61
Princeton.....	22 "	10,333.11	Welland.....	19 "	323,842.17
Queenston.....	18 "	7,606.68	Wellesley.....	20 "	17,522.43
Richmond Hill.....	17 "	22,052.57	West Lorne.....	20 "	26,930.89
Ridgetown.....	21 "	46,678.29	Weston.....	25 "	258,313.60
Riverside.....	19 "	89,398.99	Wheatley.....	18 "	14,958.78
Rockwood.....	23 "	12,254.05	Windsor.....	22 "	3,302,638.91
Rodney.....	19 "	14,884.45	Woodbridge.....	22 "	34,337.80
St. Catharines.....	20 "	674,904.86	Woodstock.....	25 "	438,501.29
St. Clair Beach.....	19 "	7,460.16	Wyoming.....	20 "	8,933.01
St. George.....	21 "	15,344.70	York Township.....	21 "	778,345.53
St. Jacobs.....	19 "	17,990.93	Zurich.....	19 "	14,297.53
St. Marys.....	25 "	144,079.01	Ontario Reformatory.	7 "	6,323.37
St. Thomas.....	25 "	540,533.53	Toronto Trans. Com.	20 "	187,839.92
Sarnia.....	20 "	682,950.62	Sandwich, Windsor & Amherstburg Railway	19 "	189,985.23
Scarborough Twp...	18 "	208,189.36			
Seaforth.....	25 "	66,210.21			
Simcoe.....	21 "	119,329.84			
Smithville.....	1 "	496.72			
			Total—Municipalities.....		\$49,860,687.30
			Total—Rural power districts		3,338,700.92
			Grand total.....		\$53,199,388.22

NIAGARA SYSTEM *N—RURAL OPERATING*

Rural Power Districts

Operating Account for Year Ended October 31, 1941

Revenue from customers in rural power districts.....	\$3,440,369.44
Cost of power as provided to be paid under Power Commission Act..	\$1,511,636.36
Cost of operation, maintenance and administration.....	812,894.86
Interest.....	530,712.66
Provision for renewals.....	230,573.90
Provision for sinking fund.....	122,430.29
	<hr/> 3,208,248.07
Balance.....	<hr/> \$ 232,121.37 <hr/>



NIAGARA SYSTEM—RURAL LINES

Statement showing Interest, Renewals, Contingencies and Obsolescence and Sinking Fund charged by the Commission to the Municipalities which operate the respective rural lines for the year ended October 31, 1941

Operated by	Capital cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, obsolescence, contingencies and sinking fund charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Milton.....	440.82	21.86	8.82	4.41	7.93	43.02
Welland.....	19,617.60	823.94	392.35	196.18	353.12	1,765.59
Totals.....	20,058.42	845.80	401.17	200.59	361.05	1,808.61

NIAGARA SYSTEM—RURAL LINES

Statement showing the total Sinking Fund in respect of each line, together with interest allowed thereon to October 31, 1941

Operated by	Period of years ended October 31, 1941	Amount
		\$ c.
Milton.....	28 years	373.42
Welland.....	29 years	17,779.02
Total.....		18,152.44

## GEORGIAN BAY

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Alliston.....	48.00	48.00	116,335.70	360.9	844.25	4,489.70	4,849.13
Arthur.....	63.00	63.00	62,639.59	160.0	374.29	3,552.57	2,713.94
Barrie.....	32.50	32.50	775,727.39	3,684.6	8,619.32	33,314.22	33,606.63
Beaverton.....	40.00	40.00	62,040.12	249.6	583.89	2,867.67	2,705.88
Beeton.....	60.00	62.00	50,163.11	120.6	282.12	2,050.11	2,173.90
Bradford.....	50.00	50.00	65,036.64	203.4	475.81	3,100.37	2,815.92
Brechin.....	48.50	48.50	17,331.54	57.2	133.81	762.08	751.15
Cannington.....	40.50	40.50	46,268.96	181.6	424.81	2,210.66	2,003.58
Chatsworth.....	41.00	41.00	20,548.58	77.5	181.29	890.83	880.95
Chesley.....	35.50	35.50	137,377.23	569.4	1,331.99	5,782.69	5,961.39
Coldwater.....	35.00	35.00	33,460.14	123.3	288.43	1,302.24	1,457.63
Collingwood.....	37.00	37.00	471,809.15	2,083.6	4,874.13	19,728.36	20,367.09
Cookstown.....	45.00	45.00	22,767.13	77.1	180.36	1,040.22	983.39
Creemore.....	48.00	48.00	42,426.40	146.5	342.71	1,937.51	1,825.26
Dundalk.....	37.00	37.00	56,622.66	238.4	557.69	2,736.25	2,438.09
Durham.....	39.00	39.00	97,620.17	396.5	927.53	5,059.79	4,376.39
Elmvale.....	39.50	39.50	39,192.22	166.5	389.49	2,264.99	1,695.98
Elmwood.....	42.50	42.50	17,796.41	70.2	164.22	913.41	769.76
Flesherton.....	45.00	45.00	17,880.50	65.9	154.16	1,067.57	774.82
Grand Valley....	53.00	53.00	39,469.23	118.5	277.21	1,981.76	1,685.84
Gravenhurst....	25.00	25.00	187,483.65	1,092.2	.....	8,042.22	8,140.18
Hanover.....	32.00	32.00	272,223.37	1,252.2	2,929.25	11,150.45	11,820.52
Holstein.....	80.00	80.00	9,091.14	20.1	47.02	789.96	394.20
Huntsville.....	28.00	28.00	251,995.41	1,196.1	.....	9,835.32	10,974.39
Kincardine.....	45.00	45.00	198,417.19	693.5	1,622.29	7,989.13	8,614.76
Kirkfield.....	56.00	56.00	10,348.55	25.4	59.42	369.43	449.92
Lucknow.....	51.00	51.00	90,631.57	282.3	660.38	3,963.95	3,943.59
Markdale.....	37.00	37.00	43,191.17	185.8	434.64	2,030.35	1,871.29
Meaford.....	40.00	40.00	165,087.36	651.1	1,523.11	6,829.95	7,139.46
Midland.....	31.50	31.50	759,671.37	3,637.8	8,509.84	32,882.96	32,959.61
Mildmay.....	45.00	45.00	37,960.64	135.7	317.44	1,562.20	1,640.21
Mount Forest....	44.00	44.00	152,678.19	525.8	1,230.00	7,889.78	6,570.61
Neustadt.....	55.00	55.00	11,814.50	42.1	98.48	626.88	505.58
Orangeville.....	44.00	44.00	194,026.20	675.1	1,579.25	8,795.25	8,404.04
Owen Sound.....	32.00	32.00	1,026,021.23	4,757.8	11,129.84	43,257.51	44,584.95

## SYSTEM

## G.B.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,599.12	938.65	1,443.60	1,176.10	9.50	15,350.05	17,322.00	1,971.95
968.31	460.39	640.00	657.96	4.21	9,371.67	10,082.65	710.98
8,963.12	8,558.45	14,738.40	8,130.72	96.98	116,027.84	119,749.51	3,721.67
806.31	616.07	998.40	655.63	6.57	9,240.42	9,982.66	742.24
783.61	349.90	482.40	524.24	3.17	6,649.45	7,426.90	777.45
939.08	537.87	813.60	682.75	5.35	9,370.75	10,170.41	799.66
244.93	150.74	228.80	181.92	1.51	2,454.94	2,775.81	320.87
602.47	451.52	726.40	485.34	4.78	6,909.56	7,355.16	445.60
269.54	200.62	310.00	213.67	2.04	2,948.94	3,179.21	230.27
1,735.12	1,401.63	2,277.60	1,440.76	14.99	19,946.17	20,212.83	266.66
449.97	321.13	493.20	351.08	3.25	4,666.93	4,315.79	(351.14)
5,730.18	4,956.36	8,334.40	4,946.18	54.84	68,991.54	77,093.19	8,101.65
317.54	203.46	308.40	238.57	2.03	3,273.97	3,469.52	195.55
587.16	377.26	586.00	444.79	3.86	6,104.55	7,033.60	929.05
701.71	579.98	953.60	590.19	6.28	8,563.79	8,822.26	258.47
1,311.29	984.77	1,586.00	1,057.52	10.44	15,313.73	15,461.90	148.17
487.81	406.03	666.00	410.99	4.38	6,325.67	6,574.79	249.12
231.11	179.03	280.80	186.68	1.85	2,726.86	2,983.51	256.65
240.44	165.96	263.60	187.61	1.73	2,855.89	2,963.65	107.76
578.69	323.68	474.00	414.40	3.12	5,738.70	6,281.83	543.13
1,810.68	2,392.96	4,368.80	1,964.61	28.75	26,748.20	27,304.80	556.60
3,217.99	2,983.15	5,008.80	2,853.70	32.96	39,996.82	40,070.33	73.51
145.98	59.45	80.40	95.47	0.53	1,613.01	1,606.68	(6.33)
2,916.46	2,741.51	4,784.40	2,643.01	31.48	33,926.57	33,490.80	(435.77)
2,757.76	1,765.01	2,774.00	2,094.09	18.25	27,635.29	31,208.80	3,573.51
161.81	73.44	101.60	108.71	0.67	1,325.00	1,423.34	98.34
1,319.44	749.44	1,129.20	956.07	7.43	12,729.50	14,399.02	1,669.52
533.46	444.61	743.20	452.90	4.89	6,515.34	6,873.68	358.34
2,144.06	1,605.98	2,604.40	1,731.71	17.14	23,595.81	26,044.27	2,448.46
8,725.23	8,369.59	14,551.20	7,962.14	95.75	114,056.32	114,589.20	532.88
518.40	349.29	542.80	398.58	3.57	5,332.49	6,104.28	771.79
2,102.87	1,347.56	2,103.20	1,594.01	13.84	22,851.87	23,134.11	282.24
161.43	106.95	168.40	123.97	1.11	1,792.80	2,317.81	525.01
2,677.06	1,722.40	2,700.40	2,034.56	17.77	27,930.73	29,705.12	1,774.39
12,060.79	11,141.90	19,031.20	10,755.34	125.24	152,086.77	152,249.59	162.82



## GEORGIAN BAY

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Paisley.....	50.00	50.00	44,461.09	140.2	327.97	1,819.41	1,920.93
Penetanguishene..	36.50	36.50	210,901.05	912.7	2,135.06	9,119.21	9,068.67
Port Elgin.....	39.00	39.00	129,684.14	478.5	1,119.35	5,511.30	5,633.78
Port McNicoll....	37.00	37.00	22,341.57	88.1	206.09	966.94	970.82
Port Perry.....	46.50	46.50	86,705.68	290.2	678.86	3,982.58	3,749.61
Priceville.....	50.00	57.00	3,286.52	10.0	23.39	134.24	144.18
Ripley.....	65.00	65.00	35,447.27	90.0	210.54	1,626.19	1,533.28
Rosseau.....	80.00	80.00	26,172.68	44.2	.....	1,036.97	1,137.29
Shelburne.....	42.00	42.00	67,952.57	251.1	587.39	3,433.10	2,947.59
Southampton....	39.00	39.00	125,181.83	485.7	1,136.19	5,427.55	5,433.62
Stayner.....	38.00	38.00	70,085.95	281.3	658.04	3,114.45	3,037.87
Sunderland.....	54.00	54.00	25,990.60	79.3	185.51	1,270.78	1,119.57
Tara.....	42.00	42.00	30,358.08	108.3	253.34	1,439.19	1,315.09
Teeswater.....	50.00	50.00	47,006.69	149.5	349.72	2,053.48	2,038.25
Thornton.....	60.00	60.00	10,395.17	27.4	64.10	426.06	445.32
Tottenham.....	70.00	70.00	37,569.02	79.4	185.74	1,493.85	1,628.54
Uxbridge.....	48.50	48.50	104,652.30	341.1	797.93	4,264.55	4,519.66
Victoria Harbour.	38.00	38.00	20,217.74	82.1	192.06	953.32	875.75
Walkerton.....	34.00	34.00	195,223.57	896.1	2,096.23	8,282.19	8,463.19
Waubushene....	38.00	38.00	23,135.65	99.1	231.82	1,058.84	1,001.00
Warton.....	54.00	54.00	110,685.07	326.4	763.54	4,375.50	4,784.73
Windermere.....	55.00	55.00	15,238.67	44.3	.....	688.49	653.75
Wingham.....	50.00	50.00	181,770.36	595.0	1,391.87	6,986.15	7,896.88
Woodville.....	54.00	54.00	25,698.26	77.6	181.53	1,099.84	1,106.03
Totals—Municipalities.....			7,253,315.94	30,301.9	65,324.74	313,632.52	314,275.43
Totals—Rural power districts....			1,915,903.28	7,414.3	18,934.52	74,985.56	82,747.14
Totals—Companies.....			1,528,275.49	1,375.6	66,030.88	13,914.35	18,755.31
Totals—Local distribution systems			253,953.19	535.9	1,253.63	13,925.65	10,749.90
			10,951,447.90				
Non-operating capital.....			126,514.29				
Grand totals.....			11,077,962.19	39,627.7	151,543.77	416,458.08	426,527.78

SYSTEM

G.B.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
639.94	373.64	560.80	466.74	3.69	6,113.12	7,007.50	894.38
2,571.74	2,172.05	3,650.80	2,199.11	24.02	30,940.66	33,312.11	2,371.45
1,742.88	1,199.74	1,914.00	1,360.68	12.60	18,494.33	18,661.85	167.52
290.19	223.29	352.40	234.36	2.32	3,246.41	3,260.95	14.54
1,218.24	743.71	1,160.80	910.10	7.64	12,451.54	13,494.30	1,042.76
47.95	29.06	40.00	34.50	0.26	453.58	558.33	104.75
551.72	255.32	360.00	373.81	2.37	4,913.23	5,851.09	937.86
445.00	147.32	176.80	275.21	1.16	3,219.75	3,535.99	316.24
912.58	639.83	1,004.40	712.97	6.61	10,244.47	10,546.38	301.91
1,640.04	1,198.33	1,942.80	1,313.20	12.78	18,104.51	18,940.69	836.18
901.56	704.83	1,125.20	735.13	7.40	10,284.48	10,688.45	403.97
378.82	211.63	317.20	272.87	2.09	3,758.47	4,283.10	524.63
414.60	284.43	433.20	318.56	2.85	4,461.26	4,547.55	86.29
676.70	412.30	598.00	494.70	3.94	6,627.09	7,476.67	849.58
159.19	80.31	109.60	109.18	0.72	1,394.48	1,641.50	247.02
606.77	243.54	317.60	392.98	2.09	4,871.11	5,558.00	686.89
1,486.69	884.76	1,364.40	1,098.57	8.98	14,425.54	16,544.56	2,119.02
257.35	202.13	328.40	211.51	2.16	3,022.68	3,119.16	96.48
2,314.21	2,120.68	3,584.40	2,048.15	23.59	28,932.64	30,468.83	1,536.19
286.51	244.56	396.40	242.60	2.61	3,464.34	3,767.37	303.03
1,633.36	882.60	1,305.60	1,162.18	8.59	14,916.10	17,625.15	2,709.05
226.12	120.17	177.20	160.07	1.17	2,026.97	2,434.67	407.70
2,603.90	1,555.68	2,380.00	1,921.87	15.66	24,752.01	29,749.99	4,997.98
375.98	207.75	310.40	269.80	2.04	3,553.37	4,188.15	634.78
91,182.97	73,154.40	121,207.60	76,064.82	797.60	1,055,640.08	1,111,041.35	56,194.51 (793.24)
25,255.23	18,455.16	29,657.20	19,987.76	195.17	270,217.74	270,217.74	.....
5,114.47	128,247.54	.....	4,530.37	(860.17)	235,732.75	235,732.75	.....
3,989.51	2,370.44	.....	2,596.66	(132.60)	34,753.19	34,753.19	.....
125,542.18	222,227.54	150,864.80	103,179.61	.....	1,596,343.76	1,651,745.03	56,194.51 (793.24)

## GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Alliston.....	June 1918	1,195.62	.....
Arthur.....	Dec. 1916	600.21	.....
Barrie.....	April 1913	3,243.05	.....
Beaverton.....	Nov. 1914	501.63	.....
Beeton.....	Aug. 1918	.....	199.03
Bradford.....	Oct. 1918	532.43	.....
Brechin.....	Jan. 1915	108.21	.....
Cannington.....	Nov. 1914	353.33	.....
Chatsworth.....	Dec. 1915	164.98	.....
Chesley.....	July 1916	190.10	.....
Coldwater.....	Mar. 1913	.....	212.79
Collingwood.....	Mar. 1913	5,493.47	.....
Cookstown.....	May 1918	212.65	.....
Creemore.....	Nov. 1914	774.89	.....
Dundalk.....	Dec. 1915	274.95	.....
Durham.....	Dec. 1915	96.23	.....
Elmvale.....	June 1913	340.55	.....
Elmwood.....	April 1918	154.03	.....
Flesherton.....	Dec. 1915	89.67	.....
Grand Valley.....	Dec. 1916	1,403.29	.....
Gravenhurst.....	Nov. 1915	.....	1,699.79
Hanover.....	Sept. 1916	.....	370.74
Holstein.....	May 1916	53.63	.....
Huntsville.....	Sept. 1916	.....	2,513.13
Kincardine.....	Mar. 1921	3,153.47	.....
Kirkfield.....	June 1920	6.22	.....
Lucknow.....	Jan. 1921	867.35	.....
Markdale.....	Mar. 1916	220.31	.....
Meaford.....	Jan. 1924	1,790.35	.....
Midland.....	July 1911	138.30	.....
Mildmay.....	Dec. 1932	509.11	.....
Mount Forest.....	Dec. 1915	1,673.09	.....
Neustadt.....	Dec. 1918	370.15	.....
Orangeville.....	July 1916	1,137.30	.....
Owen Sound.....	Dec. 1915	.....	1,475.77



SYSTEM

G.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,195.62	1,971.95	.....	1,971.95	.....
.....	600.21	710.98	.....	710.98	.....
.....	3,243.05	3,721.67	.....	3,721.67	.....
.....	501.63	742.24	.....	742.24	.....
199.03	.....	777.45	.....	777.45	.....
.....	532.43	799.66	.....	799.66	.....
.....	108.21	320.87	.....	320.87	.....
.....	353.33	445.60	.....	445.60	.....
.....	164.98	230.27	.....	230.27	.....
.....	190.10	266.66	.....	266.66	.....
212.79	.....	.....	351.14	.....	351.14
.....	5,493.47	8,101.65	.....	8,101.65	.....
.....	212.65	195.55	.....	195.55	.....
.....	774.89	929.05	.....	929.05	.....
.....	274.95	258.47	.....	258.47	.....
.....	96.23	148.17	.....	148.17	.....
.....	340.55	249.12	.....	249.12	.....
.....	154.03	256.65	.....	256.65	.....
.....	89.67	107.76	.....	107.76	.....
.....	1,403.29	543.13	.....	543.13	.....
1,699.79	.....	556.60	.....	556.60	.....
370.74	.....	73.51	.....	73.51	.....
.....	53.63	.....	6.33	.....	6.33
2,513.13	.....	.....	435.77	.....	435.77
.....	3,153.47	3,573.51	.....	3,573.51	.....
.....	6.22	98.34	.....	98.34	.....
.....	867.35	1,669.52	.....	1,669.52	.....
.....	220.31	358.34	.....	358.34	.....
.....	1,790.35	2,448.46	.....	2,448.46	.....
.....	138.30	532.88	.....	532.88	.....
.....	509.11	771.79	.....	771.79	.....
.....	1,673.09	282.24	.....	282.24	.....
.....	370.15	525.01	.....	525.01	.....
.....	1,137.30	1,774.39	.....	1,774.39	.....
.....	.....	162.82	.....	.....	1,312.95

## GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Paisley .....	Sept. 1923	627.59	.....
Penetanguishene .....	July 1911	2,138.58	.....
Port Elgin .....	Mar. 1931	.....	39.92
Port McNicoll .....	Jan. 1915	.....	32.92
Port Perry .....	Sept. 1922	1,074.14	.....
Priceville .....	Mar. 1920	.....	68.11
Ripley .....	Jan. 1921	686.73	.....
Rosseau .....	July 1931	105.24	.....
Shelburne .....	July 1916	249.84	.....
Southampton .....	Feb. 1931	145.41	.....
Stayner .....	Oct. 1913	328.74	.....
Sunderland .....	Nov. 1914	570.86	.....
Tara .....	Feb. 1918	169.66	.....
Teeswater .....	Dec. 1920	583.21	.....
Thornton .....	Nov. 1918	282.38	.....
Tottenham .....	Oct. 1918	.....	76.38
Uxbridge .....	Sept. 1922	1,633.23	.....
Victoria Harbour .....	July 1914	.....	6.07
Walkerton .....	Feb. 1931	838.54	.....
Waubashene .....	Dec. 1914	200.82	.....
Wiarton .....	May 1931	1,564.62	.....
Windermere .....	June 1930	342.65	.....
Wingham .....	Dec. 1920	3,406.37	.....
Woodville .....	Nov. 1914	656.09	.....
Totals—Municipalities .....		41,253.27	6,694.65
Totals—Rural power districts .....		85,499.40	289,223.87
Grand totals .....		126,752.67	295,918.52

SYSTEM

G.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	627.59	894.38		894.38	
	2,138.58	2,371.45		2,371.45	
39.92		167.52		167.52	
32.92		14.54		14.54	
	1,074.14	1,042.76		1,042.76	
68.11		104.75		104.75	
	686.73	937.86		937.86	
	105.24	316.24		316.24	
	249.84	301.91		301.91	
	145.41	836.18		836.18	
	328.74	403.97		403.97	
	570.86	524.63		524.63	
	169.66	86.29		86.29	
	583.21	849.58		849.58	
	282.38	247.02		247.02	
76.38		686.89		686.89	
	1,633.23	2,119.02		2,119.02	
6.07		96.48		96.48	
	838.54	1,536.19		1,536.19	
	200.82	303.03		303.03	
	1,564.62	2,709.05		2,709.05	
	342.65	407.70		407.70	
	3,406.37	4,997.98		4,997.98	
	656.09	634.78		634.78	
5,218.88	41,253.27	56,194.51	793.24	56,031.69	2,106.19
3,899.75	12,064.77	13,675.35	54,575.25	101,541.68	354,331.07
9,118.63	53,318.04	69,869.86	55,368.49	157,573.37	356,437.26



## GEORGIAN BAY SYSTEM

## G.B.—SINKING FUND

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon, to October 31, 1941

Municipality	Period of years ended Oct. 31, 1941	Amount	Municipality	Period of years ended Oct. 31, 1941	Amount
		\$ c.			\$ c.
Alliston.....	18 years	25,744.34	Mildmay.....	9 years	3,619.85
Arthur.....	20 "	21,304.93	Mount Forest.....	21 "	35,992.81
Barrie.....	23 "	168,477.62	Neustadt.....	18 "	6,968.24
Beaverton.....	22 "	22,517.83	Orangeville.....	20 "	48,789.66
Beeton.....	18 "	17,009.88	Owen Sound.....	21 "	231,367.11
Bradford.....	18 "	19,933.62	Paisley.....	17 "	12,073.69
Brechin.....	22 "	8,345.15	Penetanguishene.....	25 "	69,047.00
Cannington.....	22 "	16,994.89	Port Elgin.....	11 "	13,005.23
Chatsworth.....	21 "	4,918.39	Port McNicoll.....	22 "	6,912.07
Chesley.....	20 "	39,811.99	Port Perry.....	17 "	19,275.75
Coldwater.....	23 "	16,359.38	Priceville.....	17 "	1,047.73
Collingwood.....	23 "	149,363.32	Ripley.....	17 "	8,536.57
Cookstown.....	18 "	5,921.08	Rosseau.....	11 "	3,837.96
Creemore.....	22 "	13,091.28	Shelburne.....	20 "	20,952.35
Dundalk.....	21 "	13,953.40	Southampton.....	11 "	11,427.58
Durham.....	21 "	34,044.78	Stayner.....	23 "	18,233.47
Elmvale.....	23 "	16,472.46	Sunderland.....	22 "	11,118.81
Elmwood.....	18 "	4,549.22	Tara.....	18 "	9,261.37
Flesherton.....	21 "	7,224.64	Teeswater.....	17 "	13,443.32
Grand Valley.....	20 "	13,235.63	Thornton.....	18 "	3,669.38
Gravenhurst.....	21 "	32,285.26	Tottenham.....	18 "	11,622.15
Hanover.....	20 "	89,442.76	Uxbridge.....	17 "	20,639.17
Holstein.....	20 "	2,945.70	Victoria Harbour.....	22 "	7,104.90
Huntsville.....	20 "	65,212.35	Walkerton.....	11 "	20,966.20
Kincardine.....	17 "	46,728.60	Waubashene.....	22 "	4,863.52
Kirkfield.....	17 "	3,496.91	Warton.....	11 "	15,552.74
Lucknow.....	17 "	21,536.33	Windermere.....	12 "	2,655.12
Markdale.....	20 "	11,293.30	Wingham.....	17 "	40,372.93
Meaford.....	17 "	33,062.29	Woodville.....	22 "	10,859.35
Midland.....	23 "	238,557.82			
			Total—Municipalities.....		\$1,847,051.18
			Total—Rural power districts.....		374,268.44
			Grand total.....		\$2,221,319.62

G.B.—RURAL OPERATING

GEORGIAN BAY SYSTEM

Rural Power Districts

Operating Account for Year Ended October 31, 1941

Revenue from customers in rural power districts.....	\$582,558.42
Cost of power as provided to be paid under Power Commission Act....	\$270,217.74
Cost of operation, maintenance and administration.....	157,154.77
Interest.....	116,434.44
Provision for renewals.....	51,526.36
Provision for sinking fund.....	28,125.01
	<hr/> \$623,458.32
Balance.....	<hr/> \$ 40,899.90

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing Interest, Renewals, Contingencies, Obsolescence and Sinking Fund charged by the Commission to the Municipality which operates the rural line, for the year ended October 31, 1941

Operated by	Capital Cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, obsolescence, contingencies and sinking fund charged
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Brechin.....	922.02	48.22	18.44	9.22	16.60	92.48

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing the total Sinking Fund paid in respect of this line, together with interest allowed thereon to October 31, 1941

	Period of years ended October 31, 1941	Amount
		\$ c.
Brechin.....	23 years	568.72

## EASTERN ONTARIO

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Alexandria.....	52.00	52.00	73,599.69	215.6	1,334.35	2,313.13	3,156.03
Apple Hill.....	44.00	44.00	11,335.52	44.4	274.79	640.87	486.56
Arnprior.....	30.00	30.00	125,779.07	1,020.6	6,316.49	5,760.60	5,446.79
Athens.....	45.00	45.00	34,456.25	115.5	714.83	982.97	1,490.44
Bath.....	56.00	50.00	12,066.94	35.3	218.47	380.14	519.71
Belleville.....	26.00	26.00	851,939.93	6,401.5	39,618.85	31,856.01	36,593.47
Bloomfield.....	47.00	47.00	31,518.22	114.3	707.40	1,159.51	1,356.56
Bowmanville.....	31.00	31.00	443,169.67	2,651.9	16,412.59	17,601.59	19,097.25
Brighton.....	32.00	32.00	62,734.33	334.7	2,071.46	2,566.85	2,687.94
Brockville.....	26.00	26.00	585,379.13	4,186.4	25,909.61	22,645.35	25,252.21
Cardinal.....	30.00	30.00	39,700.73	274.0	1,695.78	1,720.65	1,701.67
Carleton Place.....	28.00	28.00	257,714.77	1,735.1	10,738.52	8,901.10	10,687.96
Chesterville.....	33.00	33.00	50,109.18	270.1	1,671.65	1,901.04	2,155.06
Cobden.....	60.00	55.00	23,210.06	70.3	435.09	966.91	996.04
Cobourg.....	31.00	31.00	361,735.49	2,207.1	13,659.73	14,537.10	15,628.55
Colborne.....	33.00	33.50	41,736.73	205.0	1,268.74	1,286.82	1,807.89
Deseronto.....	46.00	46.00	44,407.41	161.3	998.28	1,365.15	1,916.24
Finch.....	42.00	42.00	23,948.85	98.4	609.00	855.18	1,030.62
Hastings.....	42.00	42.00	24,141.47	102.9	636.85	1,010.12	1,035.83
Havelock.....	46.50	46.50	42,328.81	139.6	863.98	1,350.96	1,828.32
Iroquois Village.....	27.50	27.50	33,655.00	251.8	1,558.39	1,454.26	1,445.28
Kemptville.....	35.00	35.00	71,674.24	355.6	2,200.81	2,761.39	3,081.51
Kingston.....	28.00	28.00	1,623,008.67	11,138.2	68,934.26	57,540.83	69,870.25
Lakefield.....	37.00	37.00	61,605.00	315.5	1,952.63	2,112.98	2,792.27
Lanark.....	40.00	40.00	21,927.81	90.0	557.01	873.43	946.55
Lancaster.....	55.00	55.00	17,297.03	48.1	297.69	519.19	746.69
Lindsay.....	34.00	33.00	581,971.88	3,382.5	20,934.27	23,686.96	24,917.64
Madoc.....	46.50	46.50	47,281.25	188.8	1,168.48	2,563.36	2,044.81
Marmora.....	38.00	38.00	28,756.04	126.6	783.53	1,026.35	1,239.75
Martintown.....	40.00	40.00	6,836.80	34.7	214.76	308.44	292.75
Maxville.....	48.00	48.00	29,332.41	96.9	599.71	1,081.62	1,258.62
Millbrook.....	42.00	42.00	18,666.73	85.0	526.06	660.28	804.28
Morrisburg.....	32.50	32.50	36,200.36	205.0	1,268.74	1,514.75	1,560.71
Napanee.....	30.00	30.00	193,250.21	1,219.4	7,546.86	8,164.81	8,322.20
Newcastle.....	33.50	33.50	35,003.04	197.4	1,221.71	1,373.05	1,508.21



## SYSTEM

## E.O.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,257.06	506.64	862.40	762.94	12.54	10,205.09	11,210.32	1,005.23
183.93	98.60	177.60	117.66	2.58	1,982.59	1,953.23	(29.36)
1,609.13	1,827.02	4,082.40	1,325.79	59.38	26,427.60	30,616.75	4,189.15
581.50	257.17	462.00	360.32	6.72	4,855.95	5,197.91	341.96
191.55	80.76	141.20	126.47	2.05	1,660.35	1,796.31	135.96
7,959.19	10,892.74	25,606.00	8,836.27	372.48	161,735.01	166,437.69	4,702.68
468.22	245.94	457.20	329.47	6.65	4,730.95	5,372.12	641.17
5,097.36	4,854.70	10,607.60	4,608.32	154.30	78,433.71	82,210.19	3,776.48
773.36	653.89	1,338.80	650.08	19.47	10,761.85	10,709.60	(52.25)
7,806.45	7,552.33	16,745.60	6,073.22	243.59	112,228.36	108,845.60	(3,382.76)
538.69	509.00	1,096.00	412.11	15.94	7,689.84	8,220.00	530.16
3,372.30	3,142.86	6,940.40	2,589.16	100.96	46,473.26	48,581.95	2,108.69
746.65	531.36	1,080.40	519.77	15.72	8,621.65	8,913.88	292.23
401.77	168.33	281.20	244.50	4.09	3,497.93	3,931.76	433.83
4,123.24	4,055.02	8,828.40	3,772.65	128.42	64,733.11	68,420.37	3,687.26
543.74	417.58	820.00	435.05	11.93	6,591.75	6,848.67	256.92
659.37	373.82	645.20	464.22	9.39	6,431.67	7,419.79	988.12
385.89	207.81	393.60	249.31	5.73	3,737.14	4,134.20	397.06
336.77	214.53	411.60	251.98	5.99	3,903.67	4,319.70	416.03
648.41	314.97	558.40	442.70	8.12	6,015.86	6,491.80	475.94
437.03	454.59	1,007.20	348.17	14.65	6,719.57	6,924.95	205.38
1,102.13	709.97	1,422.40	747.02	20.69	12,045.92	12,444.56	398.64
16,665.65	19,300.58	44,552.80	16,857.80	648.09	294,370.26	311,869.54	17,499.28
845.07	600.20	1,262.00	673.90	18.36	10,257.41	11,673.75	1,416.34
354.79	191.42	360.00	229.00	5.24	3,517.44	3,601.65	84.21
300.85	116.23	192.40	180.95	2.80	2,356.80	2,643.24	286.44
6,784.04	6,208.55	13,530.00	6,026.57	196.81	102,284.84	112,184.78	9,899.94
677.83	405.11	755.20	493.90	10.99	8,119.68	8,776.89	657.21
395.56	270.11	506.40	300.14	7.37	4,529.21	4,810.78	281.57
104.21	69.75	138.80	71.14	2.02	1,201.87	1,386.67	184.80
492.55	221.42	387.60	304.76	5.64	4,351.92	4,650.40	298.48
252.67	175.31	340.00	194.72	4.95	2,958.27	3,569.65	611.38
532.98	412.16	820.00	376.74	11.93	6,498.01	6,662.82	164.81
2,135.46	2,219.52	4,877.60	2,009.27	70.95	35,346.67	36,583.25	1,236.58
419.73	372.31	789.60	364.25	11.49	6,060.35	6,614.30	553.95

## EASTERN ONTARIO

Statement showing the amount chargeable (upon annual adjustment) to each  
it by the Commission; the amount received by the Commission  
or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse- power supplied in year after correc- tion for power factor	Share of operating		
	To Dec. 31, 1940	From Jan. 1, 1941			Cost of power pur- chased	Operating, main- tenance and adminis- trative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Norwood.....	35.50	35.50	25,463.10	137.0	847.89	1,235.64	1,094.07
Omemece.....	35.00	35.00	40,366.51	199.5	1,234.70	2,027.06	1,638.34
Orono.....	40.00	40.00	19,575.64	88.6	548.34	668.70	843.90
Oshawa.....	30.50	30.50	2,915,084.54	17,591.9	108,876.17	107,475.21	125,592.57
Ottawa.....			964.69	19,770.3	217,473.66	136.34	42.20
Ottawa.....	20.50	20.50	1,204,712.65	12,934.2	80,049.69	57,976.10	51,861.94
Perth.....	28.00	28.00	226,028.18	1,605.5	9,936.43	8,261.01	9,683.98
Peterborough...	26.00	26.00	1,581,919.44	11,387.3	70,475.94	56,579.09	68,102.37
Picton.....	39.50	39.50	248,522.66	1,093.7	6,768.90	7,980.52	10,688.79
Port Hope.....	32.50	31.00	359,445.33	2,233.5	13,823.12	16,698.06	15,353.22
Prescott.....	26.50	26.50	155,521.97	1,092.1	6,759.00	6,036.67	6,710.06
Richmond.....	50.00	50.00	19,178.93	66.2	409.71	590.26	821.56
Russell.....	46.00	46.00	20,439.94	68.8	425.80	671.75	885.56
Smiths Falls...	25.00	25.00	307,530.10	2,482.9	15,366.65	12,771.20	13,205.66
Stirling.....	27.00	27.00	38,428.60	280.8	1,737.87	1,618.69	1,658.81
Trenton.....	24.00	24.00	552,544.29	4,342.8	26,877.56	19,827.51	23,783.46
Tweed.....	50.00	45.00	67,189.42	254.6	1,575.72	3,310.60	2,818.48
Warkworth.....	40.00	40.00	17,745.44	78.7	487.07	556.14	759.42
Wellington.....	38.00	38.00	40,827.25	185.4	1,147.44	1,569.77	1,759.63
Westport.....	55.00	55.00	38,081.04	98.9	612.09	875.31	1,649.89
Whitby.....	30.50	30.50	219,862.48	1,323.5	8,191.13	7,960.00	9,468.95
Williamsburgh..	30.00	30.00	19,364.09	119.1	737.11	736.80	836.06
Winchester.....	31.00	31.00	51,906.36	314.0	1,943.34	2,043.87	2,221.69
Totals—Municipalities.....			14,118,181.37	115,868.8	812,226.70	543,050.05	607,187.27
Totals—Rural power districts....			2,095,271.21	12,696.6	95,338.08	73,971.83	90,127.61
Totals—Companies.....			4,690,000.48	30,151.1	203,450.64	137,694.68	197,942.51
Totals—Local distribution sys- tems.....			98,831.79	464.9	2,877.26	8,087.59	4,308.37
			21,002,284.85				
Non-operating capital.....			2,471,356.39				
Grand totals.....			23,473,641.24	159,181.4	1,113,892.68	762,804.15	899,565.76

SYSTEM

E.O.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges				Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
314.79	268.91	548.00	265.16	7.97	4,582.43	4,864.98	282.55
477.76	387.28	798.00	396.32	11.61	6,971.07	6,982.51	11.44
265.70	176.78	354.40	204.18	5.16	3,067.16	3,545.66	478.50
33,319.03	31,869.64	70,367.60	30,309.45	1,023.59	508,833.26	536,554.22	27,720.96
19.30	4.82	.....	10.16	.....	217,686.48	217,686.48	.....
12,174.43	21,196.70	51,736.80	12,426.68	752.58	288,174.92	265,150.90	(23,024.02)
3,026.34	2,920.13	6,422.00	2,346.23	93.42	42,689.54	44,953.55	2,264.01
15,473.79	19,521.34	45,549.20	16,411.06	662.58	292,775.37	296,068.72	3,293.35
3,417.92	2,168.99	4,374.80	2,593.27	63.64	38,056.83	43,202.81	5,145.98
3,996.35	4,054.86	8,934.00	3,725.00	129.96	66,714.57	69,782.55	3,067.98
2,092.77	1,995.22	4,368.40	1,613.96	63.54	29,639.62	28,939.98	(699.64)
322.57	144.78	264.80	200.63	3.85	2,758.16	3,310.42	552.26
343.72	154.54	275.20	213.23	4.00	2,973.80	3,164.02	190.22
3,837.00	4,395.06	9,931.60	3,184.48	144.47	62,836.12	62,072.29	(763.83)
372.94	481.52	1,123.20	400.14	16.34	7,409.51	7,582.09	172.58
4,890.89	7,302.39	17,371.20	5,726.75	252.69	106,032.45	104,227.68	(1,804.77)
955.45	530.69	1,018.40	687.81	14.81	10,911.96	11,728.93	816.97
243.29	159.70	314.80	185.20	4.58	2,710.20	3,148.68	438.48
553.53	373.17	741.60	425.98	10.79	6,581.91	7,045.83	463.92
669.47	253.32	395.60	398.85	5.75	4,860.28	5,441.80	581.52
2,517.72	2,370.66	5,294.00	2,286.09	77.01	38,165.56	40,366.20	2,200.64
276.29	231.13	476.40	201.32	6.93	3,502.04	3,574.00	71.96
738.89	600.31	1,256.00	536.27	18.27	9,358.64	9,732.47	373.83
159,485.07	170,194.24	384,394.00	146,498.54	5,591.57	2,828,627.44	2,905,155.84	106,285.03 (29,756.63)
26,841.52	23,600.37	50,786.40	21,698.86	738.77	383,103.44	383,103.44	.....
53,287.42	155,256.80	.....	46,671.22	(12,026.97)	782,276.30	782,276.30	.....
1,453.93	837.71	.....	1,037.27	5,696.63	24,298.76	24,298.76	.....
241,067.94	349,889.12	435,180.40	215,905.89	.....	4,018,305.94	4,094,834.34	106,285.03 (29,756.63)



## EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year; also the net amount Credited ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Alexandria .....	Jan. 1921	790.14	.....
Apple Hill .....	April 1921	112.72	.....
Arnprior .....	Jan. 1939	3,510.76	.....
Athens .....	Jan. 1929	349.67	.....
Bath .....	Nov. 1931	337.10	.....
Belleville .....	April 1929	6,336.76	.....
Bloomfield .....	April 1919	664.83	.....
Bowmanville .....	Oct. 1931	2,608.26	.....
Brighton .....	Nov. 1929	722.76	.....
Brockville .....	April 1915	.....	1,540.97
Cardinal .....	July 1930	596.01	.....
Carleton Place .....	May 1919	3,323.20	.....
Chesterville .....	April 1914	224.87	.....
Cobden .....	Nov. 1925	897.20	.....
Cobourg .....	Jan. 1932	2,586.81	.....
Colbourne .....	Jan. 1933	.....	53.47
Deseronto .....	Jan. 1931	696.29	.....
Finch .....	Feb. 1928	293.53	.....
Hastings .....	June 1931	519.71	.....
Havelock .....	Feb. 1921	552.07	.....
Iroquois Village .....	Feb. 1940	39.77	.....
Kemptville .....	Dec. 1921	1,233.59	.....
Kingston .....	Nov. 1937	7,808.96	.....
Lakefield .....	Aug. 1920	425.46	.....
Lanark .....	Sept. 1921	235.50	.....
Lancaster .....	May 1921	286.65	.....
Lindsay .....	Mar. 1928	6,763.76	.....
Madoc .....	Jan. 1930	407.64	.....
Marmora .....	Jan. 1921	352.46	.....
Martintown .....	May 1921	158.14	.....
Maxville .....	Feb. 1921	368.70	.....
Millbrook .....	Dec. 1938	282.30	.....
Morrisburg .....	June 1938	188.42	.....
Napanee .....	Nov. 1929	1,355.24	.....
Newcastle .....	Jan. 1937	229.60	.....

SYSTEM

E.O.—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	790.14	1,005.23		1,005.23	
	112.72		29.36		29.36
	3,510.76	4,189.15		4,189.15	
	349.67	341.96		341.96	
	337.10	135.96		135.96	
	6,336.76	4,702.68		4,702.68	
	664.83	641.17		641.17	
	2,608.26	3,776.48		3,776.48	
	722.76		52.25		52.25
1,540.97			3,382.76		3,382.76
	596.01	530.16		530.16	
	3,323.20	2,108.69		2,108.69	
	224.87	292.23		292.23	
	897.20	433.83		433.83	
	2,586.81	3,687.26		3,687.26	
53.47		256.92		256.92	
	696.29	988.12		988.12	
	293.53	397.06		397.06	
	519.71	416.03		416.03	
	552.07	475.94		475.94	
	39.77	205.38		205.38	
	1,233.59	398.64		398.64	
	7,808.96	17,499.28		17,499.28	
	425.46	1,416.34		1,416.34	
	235.50	84.21		84.21	
	286.65	286.44		286.44	
	6,763.76	9,899.94		9,899.94	
	407.64	657.21		657.21	
	352.46	281.57		281.57	
	158.14	184.80		184.80	
	368.70	298.48		298.48	
	282.30	611.38		611.38	
	188.42	164.81		164.81	
	1,355.24	1,236.58		1,236.58	
	229.60	553.95		553.95	

## EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of  
and adjustments made during the year; also the net amount Credited  
ended October 31, 1941, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Norwood.....	Feb. 1921	458.50	.....
Omemeë.....	Jan. 1940	356.44	.....
Orono.....	Nov. 1938	261.62	.....
Oshawa.....	Feb. 1929	17,763.65	.....
Ottawa.....	Jan. 1914	.....	13,992.46
Perth.....	Feb. 1919	2,794.65	.....
Peterborough.....	Mar. 1913	3,654.75	.....
Picton.....	April 1919	4,713.95	.....
Port Hope.....	Nov. 1929	5,916.28	.....
Prescott.....	Dec. 1913	.....	251.02
Richmond.....	Aug. 1928	554.75	.....
Russell.....	Feb. 1926	4.90	.....
Smiths Falls.....	Sept. 1918	1,287.80	.....
Stirling.....	Jan. 1930	169.25	.....
Trenton.....	Sept. 1931	151.32	.....
Tweed.....	Dec. 1930	2,129.67	.....
Warkworth.....	Oct. 1923	470.07	.....
Wellington.....	April 1919	561.69	.....
Westport.....	Nov. 1931	419.58	.....
Whitby.....	Jan. 1926	1,643.48	.....
Williamsburgh.....	April 1915	6.62	.....
Winchester.....	Jan. 1914	301.25	.....
Totals—Municipalities.....		88,879.10	15,837.92
Totals—Rural power districts.....		282,541.70	186,963.37
Grand totals.....		371,420.80	202,801.29



SYSTEM

E.O.—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	458.50	282.55	.....	282.55	.....
.....	356.44	11.44	.....	11.44	.....
.....	261.62	478.50	.....	478.50	.....
.....	17,763.65	27,720.96	.....	27,720.96	.....
13,992.46	.....	.....	23,024.02	.....	23,024.02
.....	2,794.65	2,264.01	.....	2,264.01	.....
.....	3,654.75	3,293.35	.....	3,293.35	.....
.....	4,713.95	5,145.98	.....	5,145.98	.....
.....	5,916.28	3,067.98	.....	3,067.98	.....
251.02	.....	.....	699.64	.....	699.64
.....	554.75	552.26	.....	552.26	.....
.....	4.90	190.22	.....	190.22	.....
.....	1,287.80	.....	763.83	.....	763.63
.....	169.25	172.58	.....	172.58	.....
.....	151.32	.....	1,804.77	.....	1,804.77
.....	2,129.67	816.97	.....	816.97	.....
.....	470.07	438.48	.....	438.48	.....
.....	561.69	463.92	.....	463.92	.....
.....	419.58	581.52	.....	581.52	.....
.....	1,643.48	2,200.64	.....	2,200.64	.....
.....	6.62	71.96	.....	71.96	.....
.....	301.25	373.83	.....	373.83	.....
15,837.92	88,879.10	106,285.03	29,756.63	106,285.03	29,756.63
11,338.96	8,068.57	73,469.86	52,188.17	353,919.37	233,788.96
27,176.88	96,947.67	179,754.89	81,944.80	460,204.40	263,545.59

## E.O.—SINKING FUND

## EASTERN ONTARIO SYSTEM

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1941

Municipality	Period of years ended Oct. 31, 1941	Amount	Municipality	Period of years ended Oct. 31, 1941	Amount
		\$ c.			\$ c.
Alexandria.....	17 years	32,663.01	Maxville.....	17 years	10,301.76
Apple Hill.....	17 "	3,579.08	Millbrook.....	3 "	703.84
Arnprior.....	3 "	5,467.03	Morrisburg.....	4 "	1,634.30
Athens.....	13 "	6,823.69	Napanee.....	12 "	45,073.83
Bath.....	10 "	2,267.80	Newcastle.....	5 "	1,997.77
Belleville.....	13 "	186,664.21	Norwood.....	13 "	6,475.64
Bloomfield.....	13 "	6,762.64	Omeme.....	2 "	878.83
Bowmanville.....	10 "	66,290.84	Orono.....	3 "	784.98
Brighton.....	12 "	12,376.19	Oshawa.....	13 "	574,023.06
Brockville.....	21 "	185,694.71	Ottawa.....	26 "	204,291.77
Cardinal.....	12 "	6,154.50	Perth.....	17 "	74,690.36
Carleton Place.....	17 "	84,918.01	Peterborough.....	13 "	336,149.35
Chesterville.....	22 "	28,923.45	Picton.....	13 "	57,397.52
Cobden.....	6 "	1,539.65	Port Hope.....	12 "	62,062.92
Cobourg.....	10 "	50,153.20	Prescott.....	22 "	52,284.13
Colbourne.....	9 "	4,501.61	Richmond.....	14 "	3,190.85
Deseronto.....	11 "	7,736.80	Russell.....	16 "	6,028.37
Finch.....	14 "	4,762.44	Smiths Falls.....	18 "	108,490.61
Hastings.....	11 "	4,051.44	Stirling.....	12 "	9,453.44
Havelock.....	13 "	13,027.82	Trenton.....	10 "	85,692.91
Iroquois Village.....	2 "	813.57	Tweed.....	11 "	10,517.92
Kemptville.....	17 "	22,212.80	Warkworth.....	13 "	4,207.98
Kingston.....	4 "	86,021.34	Wellington.....	13 "	10,815.01
Lakefield.....	13 "	14,189.55	Westport.....	10 "	5,292.95
Lanark.....	17 "	6,691.96	Whitby.....	13 "	54,772.68
Lancaster.....	17 "	6,600.36	Williamsburgh.....	21 "	6,763.47
Lindsay.....	13 "	103,938.58	Winchester.....	22 "	21,055.20
Madoc.....	12 "	8,559.45			
Marmora.....	13 "	6,107.44	Total—Municipalities.....		\$2,726,778.32
Martintown.....	17 "	2,253.70	Total—Rural power districts..		631,580.07
			Grand total.....		\$3,358,358.39

E.O.—RURAL OPERATING

EASTERN ONTARIO SYSTEM

Rural Power Districts

Operating Account for Year Ended October 31, 1941

Revenue from customers in rural power districts . . . . .	\$999,607.51
Cost of power provided to be paid under Power Commission Act . . . . .	\$383,103.44
Cost of operation, maintenance and administration . . . . .	283,609.75
Interest . . . . .	184,089.89
Provision for renewals . . . . .	83,201.84
Provision for sinking fund . . . . .	44,320.90
	<hr/>
	978,325.82
	<hr/>
Balance . . . . .	\$21,281.69



## THUNDER BAY

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year	Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Oct. 31, 1941			Operating, maintenance and administrative expense	Interest	Provision for renewals
	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Fort William.....	21.00	2,858,986.78	13,644.3	45,344.16	138,327.80	25,396.61
Nipigon Township....	28.00	34,697.23	187.2	1,649.91	1,664.89	285.13
Port Arthur.....	21.00	8,475,771.94	41,091.8	130,623.28	410,332.90	74,617.88
Totals—Municipalities.....		11,369,455.95	54,923.3	177,617.35	550,325.59	100,299.62
Totals—Rural power districts.....		144,737.49	570.8	2,230.55	7,010.39	1,441.32
Totals—Companies.....		5,092,715.59	25,189.9	75,209.32	246,928.90	42,098.88
Totals—Mining area—Mines.....		2,921,373.40	12,256.6	54,317.74	141,644.21	15,359.96
Totals—Mining area—Townsites....		282,039.10	717.9	16,188.43	13,524.90	899.67
Non-operating capital.....		19,810,321.53 6,802.35				
Grand totals.....		19,817,123.88	93,658.5	325,563.39	959,433.99	160,099.45

## THUNDER BAY

Statement showing the net Credit or Charge to each Municipality in respect of adjustments made and interest added during the year; also the net amount in the year ended October 31, 1941, and the accumulated amount

Municipality	Date commenced operating	Net credit or charge at October 31, 1940	
		Credit	Charge
		\$ c.	\$ c.
Fort William.....	Oct. 1926	.....	901.01
Township of Nipigon.....	Jan. 1925	696.47	.....
Port Arthur.....	Dec. 1910	10,679.64	.....
Total—Municipalities.....		11,376.11	901.01
Total—Rural power districts.....		.....	11,043.54
		11,376.11	11,944.55

SYSTEM

T.B.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1941

costs and fixed charges			Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited to each municipality
Provision for contin- gencies and obso- lence	Provision for stabiliza- tion of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
19,743.39	20,466.45	30,037.28	5,846.43	285,162.12	286,529.97	1,367.85
249.78	280.80	364.25	80.21	4,574.97	5,241.31	666.34
58,837.52	61,637.70	89,150.51	17,607.39	842,807.18	862,928.00	20,120.82
78,830.69	82,384.95	119,552.04	23,534.03	1,132,544.27	1,154,699.28	22,155.01
952.24	856.20	1,522.45	244.58	14,257.73	14,257.73	.....
46,578.78	.....	52,143.31	(23,778.61)	439,180.58	439,180.58	.....
92,315.62	95,651.32	21,413.24	.....	420,702.09	420,702.09	.....
15,466.74	1,161.50	1,254.22	.....	48,495.46	48,495.46	.....
234,144.07	180,053.97	195,885.26	.....	2,055,180.13	2,077,335.14	22,155.01

SYSTEM

T.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1940, the cash receipts and payments thereon, Credited or Charged to each Municipality in respect of power supplied standing as a Credit or Charge to each Municipality at October 31, 1941

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1941		Accumulated amount standing as a credit or charge on October 31, 1941	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
901.01	.....	1,367.85	.....	1,367.85	.....
.....	696.47	666.34	.....	666.34	.....
.....	10,679.64	20,120.82	.....	20,120.82	.....
901.01	11,376.11	22,155.01	.....	22,155.01	.....
.....	441.74	1,529.30	517.49	.....	10,473.47
901.01	11,817.85	23,684.31	517.49	22,155.01	10,473.47

*T.B.—SINKING FUND***THUNDER BAY SYSTEM**

**Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1941**

Municipality	Period of years ended October 31, 1941	Amount
		\$ c.
Fort William.....	15 years	704,110.08
Township of Nipigon.....	15 "	6,082.66
Port Arthur.....	15 "	2,302,151.73
Total—Municipalities.....		3,012,344.47
Total—Rural power districts.....		21,379.47
Grand totals.....		3,033,723.94

*T.B.—RURAL OPERATING***THUNDER BAY SYSTEM****Rural Power Districts****Operating Account for Year Ended October 31, 1941**

Revenue from customers in rural power districts.....	\$43,668.89
Cost of power as provided to be paid under Power Commission Act.....	\$14,257.73
Cost of operation, maintenance and administration.....	10,134.80
Interest.....	11,207.65
Provision for renewals.....	4,622.93
Provision for sinking fund.....	2,433.97
	<hr/> 42,657.08
Balance.....	<hr/> \$1,011.81



**NORTHERN ONTARIO PROPERTIES**

(Operated by The Hydro-Electric Power Commission of Ontario)

**FINANCIAL ACCOUNTS**

For the Year ended October 31, 1941

Relating to Power Properties which are held and operated by the  
Commission in trust for the Province of Ontario, and which  
are situated in the following Northern Districts:

Nipissing

Sudbury

Abitibi

Patricia

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**STATEMENTS**

Balance Sheet as at October 31, 1941

Operating Account for the Year ended October 31, 1941

Schedules supporting the Balance Sheet as at October 31, 1941

Fixed Assets—By Districts

Renewals Reserve

Contingencies and Obsolescence Reserve

Sinking Fund Reserve

## NORTHERN ONTARIO

Held and Operated by The Hydro-Electric Power

BALANCE SHEET AS AT

## ASSETS

## FIXED ASSETS:

Nipissing district.....	\$1,365,874.32	
Sudbury district.....	4,412,490.91	
Abitibi district.....	29,234,420.07	
Patricia district.....	4,422,584.04	
Rural power districts.....	793,642.40	
	<hr/>	
	\$40,229,011.74	
Less: Grants-in-aid of construction:		
Province of Ontario—for rural power districts.....	388,353.15	
	<hr/>	\$39,840,658.59

## CURRENT ASSETS:

Employees' working funds.....	\$4,405.00	
The Hydro-Electric Power Commission of Ontario—Current		
account.....	1,989,947.95	
Sundry accounts receivable.....	407,817.46	
Power accounts receivable.....	528,013.78	
Interest accrued.....	15,234.38	
Consumers' deposits—securities:		
Bonds at par value.....	\$785,500.00	
Stocks at market value.....	207,500.00	
	<hr/>	
	993,000.00	
Prepayments.....	25,110.95	
	<hr/>	3,963,529.52

## INVENTORIES:

Maintenance materials and supplies.....	\$117,568.10	
Maintenance tools and equipment.....	83,640.77	
	<hr/>	201,208.87

## DEFERRED ASSETS:

Work in progress—deferred work orders.....	5,625.49	
UNAMORTIZED DISCOUNT ON DEBENTURES.....	275,089.67	
SINKING FUND INVESTMENTS.....	1,615,040.77	
	<hr/>	\$45,901,152.91
	<hr/>	

## PROPERTIES

Commission of Ontario in Trust for the Province of Ontario

OCTOBER 31, 1941

### LIABILITIES AND RESERVES

#### LONG TERM LIABILITIES:

Funded debt in the hands of the public . . . . .	\$26,760,000.00	
Advances from the Province of Ontario for capital purposes . . . . .	6,041,572.70	
		<u>\$32,801,572.70</u>

#### CURRENT LIABILITIES:

Power accounts—credit balances . . . . .	\$1,754.66	
Consumers' deposits . . . . .	1,006,832.25	
Debenture interest accrued . . . . .	97,574.99	
Miscellaneous accruals . . . . .	2,749.46	
		<u>1,108,911.36</u>

#### RESERVES:

Renewals . . . . .	\$2,702,399.91	
Contingencies and obsolescence . . . . .	1,839,664.08	
Miscellaneous . . . . .	279,252.61	
		<u>4,821,316.60</u>

#### SINKING FUND RESERVES:

Represented by:

Funded debt retired through sinking funds . . . . .	\$2,000,000.00	
Provincial advances retired through sinking funds . . . . .	2,215,538.77	
Available balance . . . . .	2,856,669.69	
		<u>7,072,208.46</u>
		97,143.79

SURPLUS . . . . .		
		<u>\$45,901,152.91</u>

### Auditors' Certificate

We have examined the Accounts of the Northern Ontario Properties for the year ended the 31st October, 1941, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the affairs of Northern Ontario Properties at the 31st October, 1941, according to the best of our information and the explanations given to us and as shown by the books and records of the Properties. We have obtained all the information and explanations we have required.

Dated at Toronto, Ontario  
31st March, 1942.

OSCAR HUDSON AND Co.,  
Chartered Accountants,  
Auditors.



## NORTHERN ONTARIO

EMBRACING THE NIPISSING, SUDBURY,  
NORTHERN RURAL  
Held and Operated by The Hydro-Electric  
In Trust for the

## Operating Account for the

## COST OF OPERATION

Power purchased.....	\$ 16,643.89
Operating, maintenance and administrative expenses.....	974,958.87
Interest.....	1,499,250.27
Provision for renewals.....	331,141.48
Provision for contingencies and obsolescence.....	345,498.96
Provision for sinking fund.....	1,113,782.83
Total cost.....	<u>\$4,281,276.30</u>
Net income for year.....	<u>1,049,716.12</u>
	<u><u>\$5,330,992.42</u></u>

PROPERTIES

ABITIBI, PATRICIA DISTRICTS AND  
POWER DISTRICTS  
Power Commission of Ontario  
Province of Ontario

Year Ended October 31, 1941

REVENUE

Power sold to private companies and customers..... \$5,330,992.42

\$5,330,992.42

Surplus Account—as at October 31, 1941

Balance at credit November 1, 1940.....	\$ 607,672.49	
Net income for the year ended October 31, 1941.....	1,049,716.12	
Transferred to reserves—net.....	\$1,060,244.82	
Payment to Province of Ontario.....	500,000.00	
Balance at credit October 31, 1941.....	97,143.79	
	<u>\$1,657,388.61</u>	<u>\$1,657,388.61</u>

## NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario  
in Trust for the Province of Ontario

## Fixed Assets—October 31, 1941

Property	Net capital expendi- tures in the year	Fixed Assets			
		Under construc- tion	In service		Total
			Non- depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
NIPISSING:					
Power Plants:					
South river:					
Nipissing .....			11,089.60	240,456.47	251,546.07
Bingham Chute .....	33.50		12,130.05	234,977.37	247,107.42
Elliot Chute .....			119,307.09	335,493.82	454,800.91
Storage Dams .....				76,122.70	76,122.70
Miscellaneous .....				386.14	386.14
Intangible .....			69,478.34		69,478.34
	33.50		212,005.08	887,436.50	1,099,441.58
Transformer Stations .....	5,105.13	1,397.26		21,157.31	22,554.57
Transmission Lines .....	3,885.80	3,092.18		204,594.08	207,686.26
Local Systems .....	151.56		2,219.65	33,972.26	36,191.91
	8,872.87	4,489.44	214,224.73	1,147,160.15	1,365,874.32
SUDBURY:					
Power Plants:					
Wanapitei river:					
Coniston .....	3,505.09		13,456.54	733,594.85	747,051.39
McVitties .....	1,414.11	410.33	13,323.00	389,439.73	403,173.06
Stinson .....	9,700.62	10,444.79	33,000.00	641,886.51	685,331.30
Storage Dam .....			25.00	194,870.00	194,895.00
Intangible .....			830,514.53		830,514.53
Sturgeon river:					
Crystal Falls and Storage Dams .....	23,049.33	21,094.92	44,572.52	848,004.34	913,671.78
	37,669.15	31,950.04	934,891.59	2,807,795.43	3,774,637.06
Transformer Stations .....	46,818.33			177,287.58	177,287.58
Transmission Lines .....	8,837.24	1,225.55		459,340.72	460,566.27
	93,324.72	33,175.59	934,891.59	3,444,423.73	4,412,490.91
ABITIBI:					
Power Plants:					
Abitibi river:					
Abitibi Canyon .....	121,103.65		5,559,386.73	13,936,500.92	19,495,887.65
Frederick House Dam .....	49,960.02	12,519.94	310,435.95	680,976.03	1,003,931.92
Dasserat Lake Diversion .....	5,608.30	5,608.30			5,608.30
	165,455.37	18,128.24	5,869,822.68	14,617,476.95	20,505,427.87
Transformer Stations .....	121,577.46	25,475.25	215,856.69	1,933,235.95	2,174,567.89
Transmission Lines .....	341,473.00	1,236.13	829,578.90	5,636,527.08	6,467,342.11
Local Systems .....	4,123.49			87,082.20	87,082.20
	301,718.58	44,839.62	6,915,258.27	22,274,322.18	29,234,420.07



NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario  
in Trust for the Province of Ontario

Fixed Assets—October 31, 1941

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
PATRICIA:					
Power Plants:					
English river:					
Ear Falls .....	4,880.00	8.49	.....	1 815,956.04	1,815,964.53
Albany river:					
Rat Rapids .....	8,245.86	8,245.86	39,297.44	554,807.60	602,350.90
	13,125.86	8,254.35	39,297.44	2,370,763.64	2,418,315.43
Transformer Stations .....	7,476.88	7.79	.....	162,492.89	162,500.68
Transmission Lines .....	9,187.41	281.48	.....	1,795,986.27	1,796,267.75
Local Systems .....	7,169.76	246.96	.....	45,253.22	45,500.18
	36,959.91	8,790.58	39,297.44	4,374,496.02	4,422,584.04
NORTHERN ONTARIO PROPERTIES—					
RURAL POWER DISTRICTS:					
Transformer Stations .....	4,830.26	.....	.....	11,174.78	11,174.78
H-E.P.C. investments .....	95,015.82	169.54	.....	393,944.93	394,114.47
Government grants .....	91,383.41	169.55	.....	388,183.60	388,353.15
	191,229.49	339.09	.....	793,303.31	793,642.40

SUMMARY

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Nipissing district.....	8,872.87	4,489.44	214,224.73	1,147,160.15	1,365,874.32
Sudbury district.....	93,324.72	33,175.59	934,891.59	3,444,423.73	4,412,490.91
Abitibi district.....	301,718.58	44,839.62	6,915,258.27	22,274,322.18	29,234,420.07
Patricia district.....	36,959.91	8,790.58	39,297.44	4,374,496.02	4,422,584.04
Rural power districts.....	191,229.49	339.09	.....	793,303.31	793,642.40
	614,359.83	91,634.32	8,103,672.03	32,033,705.39	40,229,011.74
Less Grants in aid of construction:					
Province of Ontario for rural power districts.....	91,383.41	169.55	.....	388,183.60	388,353.15
	522,976.42	91,464.77	8,103,672.03	31,645,521.79	39,840,658.59

### NORTHERN ONTARIO PROPERTIES

Embracing the Nipissing, Sudbury, Abitibi, Patricia and Rural Power Districts

Held and Operated by The Hydro-Electric Power Commission of Ontario  
In Trust for the Province of Ontario

#### Renewals Reserve—October 31, 1941

Balance at November 1, 1940.....	\$2,346,438.19	
Transferred to contingencies reserve.....	\$(47,634.54)	
Provision in the year.....	331,141.48	
Interest at 4% on reserve balance.....	93,857.52	
Adjustments re transfer of equipment.....	(9,331.18)	
	<u>368,033.28</u>	
	\$2,714,471.47	
Expenditures in the year.....	<u>12,071.56</u>	
Balance at October 31, 1941.....		\$2,702,399.91

#### Contingencies and Obsolescence Reserve—October 31, 1941

Balance at November 1, 1940.....	\$792,283.48	
Additional provisions plus improvements to October 31, 1940.....	699,175.12	
	<u>\$1,491,458.60</u>	
Transferred from renewals reserve.....	\$ 47,634.54	
Provision in the year.....	345,498.96	
Interest at 4% on reserve balance.....	59,658.34	
	<u>452,791.84</u>	
	\$1,944,250.44	
Contingencies met with during the year.....	<u>104,586.36</u>	
Balance at October 31, 1941.....		\$1,839,664.08

#### Sinking Fund Reserve—October 31, 1941

Balance at November 1, 1940.....	\$5,353,517.87	
Additional provisions plus improvements to October 31, 1940.....	375,737.55	
	<u>\$5,729,255.42</u>	
Provision in the year.....	\$1,113,782.83	
Interest at 4% on reserve balance.....	229,170.21	
	<u>1,342,953.04</u>	
Balance at October 31, 1941.....		<u><u>\$7,072,208.46</u></u>

**THE HAMILTON STREET RAILWAY COMPANY**

**(A Subsidiary of The Hydro-Electric Power Commission of Ontario—  
Niagara System)**

**FINANCIAL ACCOUNTS**

**For the Year ended October 31, 1941**

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**Balance Sheet as at October 31, 1941**

**Operating and Income Accounts for the Year ended October 31, 1941**



## THE HAMILTON STREET

(A Subsidiary of The Hydro-Electric Power

## BALANCE SHEET AS AT

## ASSETS

## FIXED ASSETS:

Properties, road and equipment, buses, franchise, etc. . . . . \$4,183,422.77

## CURRENT ASSETS:

Cash in bank. . . . .	\$145,647.30	
Conductors' and employees' advances. . . . .	12,500.00	
The Hydro-Electric Power Commission of Ontario—		
Current Account. . . . .	303,309.89	
Accounts receivable. . . . .	3,040.74	
Prepayments. . . . .	5,488.29	
		<hr/>
		469,986.22

MATERIALS AND SUPPLIES. . . . . 47,719.08

RESERVE FUNDS—INVESTMENTS. . . . . 268,405.00

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\$4,969,533.07

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## RAILWAY COMPANY

Commission of Ontario—Niagara System)

OCTOBER 31, 1941

## LIABILITIES

## CAPITAL STOCK:

Authorized—80,000 shares at a par value of \$50 each.....	\$4,000,000.00	
Issued —64,100 shares at a par value of \$50 each.....		\$3,205,000.00

## CURRENT LIABILITIES:

Rentals accrued.....	1,200.00
----------------------	----------

## RESERVES:

Depreciation—road and equipment.....	1,591,159.42	
Insurance.....	95,736.32	
Miscellaneous.....	52,110.88	
		1,739,006.62

SURPLUS.....	24,326.45
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\$4,969,533.07

## Auditors' Certificate

We have examined the Accounts of The Hamilton Street Railway Company for the year ended the 31st October, 1941, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Company's affairs at the 31st October, 1941, according to the best of our information and the explanations given to us and as shown by the books of the Company. We have obtained all the information and explanations we have required.

OSCAR HUDSON AND CO.,  
Chartered Accountants,  
Auditors.

Dated at Toronto, Ontario,  
31st March, 1942.

### THE HAMILTON STREET RAILWAY COMPANY

(A Subsidiary of The Hydro-Electric Power Commission of Ontario—Niagara System)  
Operating Statement for the Year Ended October 31, 1941

#### REVENUES:

Transportation.....	\$1,436,546.33
Other operations.....	12,866.56
	<u>\$1,449,412.89</u>

#### EXPENSES:

Maintenance of way and structures.....	\$ 66,269.59
Maintenance of equipment.....	115,251.24
Electric power and motor fuel.....	144,969.10
Transportation expenses.....	364,941.23
General and miscellaneous expenses.....	112,325.99
Depreciation provision.....	172,481.77
Taxes (municipal and franchise).....	80,791.27
	<u>\$1,057,030.19</u>

NET REVENUE FOR YEAR.....	<u>\$ 392,382.70</u>
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#### Surplus Account—as at October 31, 1941

Balance at credit October 31, 1940.....	\$ 9,171.41
Net revenue for year ended October 31, 1941.....	392,382.70
Income from investments—reserve funds.....	12,779.69

#### Appropriated as follows:

Renewals reserve.....	\$10,417.73	
Insurance reserve.....	2,361.96	
		<u>\$ 12,779.69</u>
Transferred to renewals reserve.....	200,000.00	
Dividend—To cover fixed charges on the Commission's investment.....	177,227.66	
Balance at credit October 31, 1941.....	24,326.45	
	<u>\$ 414,333.80</u>	<u>\$ 414,333.80</u>



## SECTION X

### MUNICIPAL ACCOUNTS

and

#### Statistical Data Relating to Hydro-Electric Distribution Systems Operated by Individual Municipalities Served by The Hydro-Electric Power Commission of Ontario

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing systems and operating with energy supplied by or through The Hydro-Electric Power Commission.

Financial statements prepared from the books of these "Hydro" utilities are submitted herein to show how each has operated during the past year, and its financial status at the present time. Other tables give useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the electrical utilities in all municipalities which have contracted with The Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with an accounting system designed by the Commission. During the year 1941 this standard method of accounting was installed in Smithville.

Periodical inspections are made of the books of all "Hydro" electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities much of the book-keeping for the electrical utilities is performed by representatives of the municipal accounting department of the Commission as a measure of economy. This arrangement insures the correct application of the standard accounting system, with resultant uniformity in classification of revenues and expenditures; secures true reflections of the actual operating results for the year, and greatly enhances the comparative values of the reports.

The first financial statement in this section presents consolidated balance sheets for each year since 1913, and thus shows the march of progress. It combines the balance sheets of the local municipal utilities of all the systems. It is worth noting that the total plant value has increased from \$10,081,469.16

in 1913 to \$101,088,593.29 in 1941, and the total assets from \$11,907,826.86 to \$176,763,091.18. The liabilities have not increased in the same proportion as the assets, rising from \$10,468,351.79 to a maximum of \$52,685,316.86 in 1932, and receding to \$24,183,437.96 in 1941. The reasons for this are the regular fulfilment of debt retirement schedules under serial debenture provisions or by maturity of sinking funds, and also the fact that much of the cost of the increasing plant value has been financed out of reserves and surplus without increasing the capital liabilities of the respective utilities. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 14.6 per cent in 1941. The equities in The Hydro-Electric Power Commission's systems automatically acquired through the inclusion of sinking funds as part of the cost of power are not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for each year since "Hydro" service was inaugurated and combines the results from the local municipal utilities of all the systems. After providing for every cost of operation and fixed charges, including the standard provision for depreciation, the combined operating reports show a net surplus of \$2,499,774.75 for 1941. (See also diagrams in Foreword to Report.)

The five statements, "A" to "E", following the two consolidated reports show the financial status of each municipal utility and the results of operations, giving classified information respecting revenue, operating costs, number of consumers and consumption, cost of power to municipalities, power and lighting rates charged to consumers, etc. In statements "A" and "B", the municipalities are arranged alphabetically under each system; in statement "D" the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically.

**Statement "A"** presents the balance sheet of each electrical utility. The plant values are shown under the general subdivisions specified in the standard accounting system and the other items on the positive side of the ledger which are included in total assets are self-explanatory.

In conformity with a policy of service at cost to the customer, refunds by cash or credit are made during the year in many municipalities from surplus funds accrued to the credit of municipal services, such as street lighting, water works, sewage disposal, etc. The total thus returned to customers during the year 1941 amounted in round figures to \$311,000.00.

In each case the balance sheet includes the credit or charge representing the difference between the monthly payments for power at interim rates and the cost of power as ascertained by the Commission upon annual adjustment.\*

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\*In 1939 and 1940 a number of municipalities asked permission to take power cost adjustments into the following year, to facilitate the earlier closing of their books. This led to a lack of uniformity in operating statements, and in 1941 it was decided to put all municipalities' accounts on the same basis. On this account the 1941 Balance Sheet shows 1940 Equity in Hydro Commission properties and the Cost of Power in the Operating Statement includes 1940 adjustments.

The reserves for depreciation, and the acquired equity in The Hydro-Electric Power Commission's systems, are listed individually and totalled; and under the heading "surplus" are included not only the free operating surplus but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The depreciation reserve now amounts to 29.6 per cent of the total depreciable plant, while the depreciation reserve and surplus combined have already reached the sum of \$96,529,043.14, approximately 95.5 per cent of the total plant cost.

**Statement "B"** shows detailed operating reports for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure and the sums set aside for depreciation. The population served by each local utility and the number of consumers of each class are also shown.

The item "purchased power" in this statement includes the debit or credit balances ascertained by the annual adjustment of the cost of power supplied to the municipalities by the Commission.\*

Of the 296 municipal electrical utilities included in this statement, 248 received from consumers revenue sufficient to meet in full all operating expenses, interest, debt retirement instalments, and standard depreciation reserve allocation and to yield an aggregate net surplus of \$2,576,691.38 for the year; 39 were able to defray out of revenue all such charges except a portion of the standard depreciation allocation aggregating \$67,136.58, in the case of 9 utilities the revenue was less than the total operating expenses, interest and debt requirement instalments by \$3,315.05.

**Statement "C"** shows the installation of street lights in each municipality together with the rates approved by this Commission, the revenue for 1941, and the cost per capita in each municipality.

**Statement "D"** presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers and the average horsepower supplied by the municipal utility.† For further reference to this informative statement, consult the special introduction to it on page 318.

**Statement "E"** presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1941, for domestic service, for commercial light service and for power service.

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\*See footnote on previous page.

†The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.



## CONSOLIDATED

YEAR.....	1913	1914	1915
Number of municipalities included.....	45	69	99
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	626,707.34	791,732.20	873,838.18
Substation equipment.....	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead.....	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground.....	644,514.24	807,153.53	928,420.77
Line transformers.....	615,546.20	787,613.52	981,754.70
Meters.....	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular.....	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental.....	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses.....	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant.....	1,401,175.28	420,108.33	461,651.60
Old plant.....	341,277.00	619,513.12	1,184,372.86
Total plant.....	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance.....	450,887.97	422,350.12	284,653.96
Securities and investments.....			
Accounts receivable.....	344,487.95	561,873.08	602,920.69
Inventories.....	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures.....	431,747.27	625,217.03	868,983.78
Equity in H-E.P.C. systems.....			
Other assets.....	58,959.93	123,410.97	326,801.11
Total assets.....	11,907,826.86	15,249,203.36	17,683,264.07
<b>LIABILITIES</b>			
Debenture balance.....	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable.....	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft.....	160,919.16	228,622.50	292,106.44
Other liabilities.....	42,412.81	113,838.66	37,388.31
Total liabilities.....	10,468,351.79	12,702,689.81	14,201,343.79
<b>RESERVES</b>			
For equity in H-E.P.C. systems.....			
For depreciation.....	478,145.88	850,618.07	1,337,739.73
Other reserves.....			
Total reserves.....	478,145.88	850,618.07	1,337,739.73
<b>SURPLUS</b>			
Debentures paid.....	202,751.26	320,129.10	394,466.22
Local sinking fund.....	431,747.27	625,217.03	868,983.78
Operating surplus.....	326,830.66	750,549.35	880,730.55
Total surplus.....	961,329.19	1,695,895.48	2,144,180.55
Total liabilities, reserves and surplus.....	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets.....	88.0	88.3	80.3

NOTE—In computing the “percentage of net debt to total assets” the ornamental street lighting capital, sinking fund on local debentures, and equity in H-E.P.C. systems, are excluded

## BALANCE SHEET

1916	1917	1918	1919	1920	1921
128	143	166	191	195	215
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,335,936.33	1,546,241.41	1,859,888.69	1,995,545.83	2,175,568.24	3,230,985.63
1,934,626.12	2,471,293.82	2,820,488.70	2,915,125.56	3,231,050.80	5,403,689.90
4,832,353.27	6,090,073.42	6,627,237.39	7,445,820.31	8,579,881.49	8,397,361.48
1,095,709.62	1,157,059.90	1,216,288.59	1,206,296.88	1,313,369.29	1,401,135.97
1,179,132.07	1,483,839.44	1,772,691.35	2,073,113.45	2,560,581.59	3,077,649.83
1,711,299.49	1,999,095.48	2,238,143.70	2,587,566.32	3,053,135.20	3,552,076.79
1,251,057.13	1,237,734.69	1,200,625.65	1,206,638.71	1,269,006.98	1,335,997.13
306,388.95	361,975.74	531,502.61	546,497.68	557,678.13	610,586.70
2,059,263.42	2,184,015.84	2,395,096.50	2,530,101.08	2,697,636.12	3,030,134.16
864,500.01	896,753.20	214,575.75	986,200.57	757,194.47	704,848.46
759,748.66	649,852.51	1,476,413.00	805,959.89	864,298.39	912,388.55
17,330,015.07	20,077,935.45	22,352,951.93	24,298,866.28	27,059,400.70	31,656,854.60
1,061,029.90	340,026.50	391,194.91	462,437.23	943,858.12	900,842.34
695,152.23	1,285,097.33	1,124,018.44	627,076.53	341,855.88	477,678.69
764,504.59	1,261,398.36	972,996.96	1,921,166.69	2,022,538.88	2,155,788.62
1,166,017.73	1,337,578.96	1,663,298.05	1,032,569.75	1,400,671.89	1,504,596.28
342,215.87	125,240.05	444,787.63	1,925,455.77	2,244,004.34	2,541,718.35
			369,071.89	577,584.06	795,570.51
			86,216.05	25,447.07	78,929.84
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94	40,111,979.23
15,058,641.57	15,593,773.61	17,209,217.70	18,133,462.44	19,268,072.04	21,619,220.99
969,187.75	1,537,669.11	1,007,727.79	1,420,926.66	1,840,137.54	1,887,567.93
178,413.26	886,177.94	576,816.49	403,235.57	514,671.99	989,099.98
491,874.90	429,104.20	350,013.21	670,271.90	642,293.65	938,368.84
16,698,117.48	18,446,724.86	19,143,775.19	20,627,896.57	22,265,175.22	25,434,257.74
1,843,804.68	2,463,723.83	3,133,550.17	373,871.89	577,584.06	800,249.05
			3,750,162.28	4,788,645.03	5,491,858.93
1,843,804.68	2,463,723.83	3,133,550.17	4,124,034.17	5,366,229.09	6,292,107.98
549,778.59	694,797.90	920,076.56	1,328,657.68	1,440,156.52	1,860,079.53
1,165,785.94	1,340,615.38	1,662,602.69	1,754,020.37	2,246,474.47	2,541,718.35
1,101,448.70	1,481,414.68	2,089,243.31	2,888,251.40	3,297,325.64	3,983,815.63
2,817,013.23	3,516,827.96	4,671,922.56	5,970,929.45	6,983,956.63	8,385,613.51
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94	40,111,979.23
78.4	75.5	71.0	67.9	65.4	64.7

from assets and the total liabilities are reduced by the amount of the local sinking fund reserve, and the liability in respect to the ornamental street lighting capital, which amount is included in other liabilities.

## CONSOLIDATED

YEAR.....	1922	1923	1924
Number of municipalities included . . . .	226	235	248
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	3,334,522.68	4,488,054.93	4,561,648.92
Substation equipment.....	5,046,857.98	6,015,919.75	6,800,238.00
Distribution system—overhead.....	11,165,330.24	13,135,581.76	14,182,190.33
Distribution system—underground.....	1,598,053.02	1,959,120.41	2,873,446.13
Line transformers.....	3,618,684.73	4,211,655.89	4,456,669.02
Meters.....	4,033,689.52	4,548,933.73	5,149,629.71
Street lighting equipment—regular.....	1,419,016.05	1,061,473.85	1,134,491.77
Street lighting equipment—ornamental.....	666,084.50	708,431.22	728,298.08
Miscellaneous construction expenses.....	3,261,495.74	3,681,274.88	4,168,262.21
Steam or hydraulic plant.....	565,158.54	566,619.86	4,196,803.45
Old plant.....	7,997,947.87	8,051,496.28	5,587,420.31
Total plant.....	42,706,840.87	48,428,562.56	53,839,097.93
Bank and cash balance.....	1,164,336.24	1,276,140.06	1,748,912.34
Securities and investments.....	443,938.18	1,153,424.47	1,329,622.58
Accounts receivable.....	3,874,317.14	3,198,769.34	3,898,751.89
Inventories.....	1,738,795.96	1,819,711.62	1,745,628.16
Sinking fund on local debentures.....	3,416,231.45	3,896,261.28	4,520,723.06
Equity in H-E.P.C. systems.....	1,543,434.12	2,929,603.94	5,420,567.58
Other assets.....	238,940.13	190,071.63	250,292.77
Total assets.....	55,126,834.09	62,892,544.90	72,753,596.31
<b>LIABILITIES</b>			
Debenture balance.....	30,454,186.12	33,056,501.29	38,005,162.50
Accounts payable.....	3,699,292.52	3,708,781.76	3,117,224.08
Bank overdraft.....	456,706.69	680,714.59	162,100.71
Other liabilities.....	586,203.02	1,517,828.47	1,780,564.27
Total liabilities.....	35,196,388.35	38,963,826.11	43,065,051.56
<b>RESERVES</b>			
For equity in H-E.P.C. systems.....	1,543,434.12	2,929,603.94	5,420,567.58
For depreciation.....	6,512,813.92	7,328,858.69	8,097,834.68
Other reserves.....			
Total reserves.....	8,056,248.04	10,258,462.63	13,518,402.26
<b>SURPLUS</b>			
Debentures paid.....	3,104,591.15	2,852,038.38	3,530,610.35
Local sinking fund.....	3,416,231.45	3,896,261.28	4,520,723.06
Operating surplus.....	5,353,375.10	6,921,956.50	8,118,809.08
Total surplus.....	11,874,197.70	13,670,256.16	16,170,142.49
Total liabilities, reserves and surplus...	55,126,834.09	62,892,544.90	72,753,596.31
Percentage of net debt to total assets...	63.3	62.6	61.4



BALANCE SHEET—Continued

1925	1926	1927	1928	1929	1930
247	251	252	256	260	267
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,768,855.99	6,111,162.54	6,486,426.89	7,024,646.76	7,469,451.46	7,936,974.31
8,543,166.55	9,505,501.77	15,088,905.14	16,866,186.21	18,102,792.13	19,485,056.28
16,837,535.57	18,654,240.54	16,689,462.41	17,688,050.68	18,108,016.82	19,220,326.48
3,388,837.09	3,689,569.95	3,278,382.58	3,559,288.16	4,823,369.60	4,932,189.05
5,079,754.23	5,538,605.24	5,985,521.37	6,549,674.64	7,312,742.17	7,953,090.23
5,533,483.92	5,963,162.51	6,346,660.59	6,839,802.90	7,405,478.91	7,840,948.07
1,256,916.53	1,309,608.30	1,399,314.06	1,486,646.24	1,594,183.25	1,780,785.67
893,186.48	1,103,660.23	1,184,035.82	1,203,706.65	1,458,349.64	1,520,891.01
4,485,110.96	3,456,777.71	3,360,671.09	3,394,626.92	3,483,487.78	3,996,747.77
568,912.49	628,909.57	607,320.00	619,880.93	489,097.67	139,587.28
4,549,142.46	4,655,422.59	5,095,555.90	5,032,089.26	5,093,378.75	5,322,690.14
56,904,902.27	60,616,620.95	65,522,255.85	70,264,599.35	75,340,348.08	80,129,286.29
1,700,145.30	2,136,290.79	3,014,832.48	1,342,367.07	858,733.68	2,722,250.12
1,095,662.92	1,400,316.43	1,696,237.66	1,837,140.51	2,001,088.81	1,909,439.11
3,417,558.86	3,508,817.87	3,715,770.72	4,097,446.13	4,683,201.97	4,481,006.92
1,711,504.13	1,397,667.83	1,412,729.41	1,220,186.10	1,365,033.58	1,242,994.51
5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,753,613.88	8,396,255.47
7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40	17,346,372.44
137,280.05	33,151.81	31,942.45	153,275.04	152,260.86	173,030.05
77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26	116,400,634.91
37,919,225.01	39,602,533.48	42,891,361.57	42,597,175.78	42,930,127.74	45,091,808.06
3,139,067.92	3,118,684.78	2,988,621.90	3,074,634.25	3,132,145.03	3,001,186.21
226,147.82	163,725.53	252,362.52	253,143.81	412,056.69	405,663.14
1,075,914.83	1,087,795.08	1,154,810.24	1,258,610.23	1,621,378.17	1,642,771.59
42,360,355.58	43,972,738.87	47,287,156.23	47,183,564.07	48,095,707.63	50,141,429.00
7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40	17,346,372.44
8,699,437.68	9,360,322.27	10,319,889.05	11,140,795.68	11,911,154.49	12,885,387.51
1,157,147.20	947,970.23	1,002,916.69	1,117,257.63	1,437,371.26	1,574,655.74
17,408,173.58	18,355,161.03	21,466,011.40	24,584,150.87	28,103,391.15	31,806,415.69
4,440,138.34	5,493,879.83	6,648,767.38	7,928,907.61	9,194,253.59	10,728,279.15
5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,962,121.20	8,396,255.47
8,309,974.73	9,317,954.48	10,135,039.22	11,544,489.21	13,553,672.69	15,328,255.60
17,952,564.77	20,411,509.32	23,182,716.37	26,544,670.51	30,710,047.48	34,452,790.22
77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26	116,400,634.91
57.2	55.5	54.2	50.8	47.8	46.0

## CONSOLIDATED

YEAR.....	1931	1932	1933
Number of municipalities included . . . .	275	280	282
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	8,407,664.48	9,503,743.78	10,186,471.28
Substation equipment.....	21,013,956.74	22,288,781.68	22,306,800.94
Distribution system—overhead.....	19,918,355.76	20,866,767.32	21,152,681.20
Distribution system—underground.....	5,361,627.24	5,820,056.75	5,945,225.61
Line transformers.....	8,649,875.07	9,392,662.62	9,478,605.14
Meters.....	8,106,202.88	8,403,251.67	8,514,165.03
Street lighting equipment—regular.....	2,205,613.18	2,257,618.20	2,381,599.40
Street lighting equipment—ornamental.....	1,456,742.91	1,545,354.93	1,458,443.68
Miscellaneous construction expenses.....	3,827,132.05	4,120,926.11	4,040,859.74
Steam or hydraulic plant.....	458,374.05	498,231.69	502,978.62
Old plant.....	7,146,437.96	4,989,654.97	5,016,755.92
Other plants not distributed.....		200,000.00	200,000.00
Total plant.....	86,551,982.32	89,887,049.72	91,184,586.56
Bank and cash balance.....	2,738,319.67	3,185,442.00	1,696,489.24
Securities and investments.....	1,999,846.42	2,059,325.10	2,163,785.20
Accounts receivable.....	3,957,972.78	3,683,059.42	3,746,910.92
Inventories.....	1,276,531.01	1,232,209.52	1,226,043.30
Sinking fund on local debentures.....	8,735,050.84	9,099,210.61	9,386,176.58
Equity in H-E.P.C. systems.....	20,103,275.76	23,066,129.81	26,045,679.00
Other assets.....	174,879.28	163,637.79	253,581.84
Total assets.....	125,537,858.08	132,376,063.97	135,703,252.64
<b>LIABILITIES</b>			
Debenture balance.....	44,594,400.03	45,133,305.97	42,606,145.29
Accounts payable.....	5,382,306.13	3,512,724.58	3,320,485.45
Bank overdraft.....	312,575.54	298,910.20	206,398.00
Other liabilities.....	1,909,986.13	3,740,376.11	3,787,725.14
Total liabilities.....	52,199,267.83	52,685,316.86	49,920,753.88
<b>RESERVES</b>			
For equity in H-E.P.C. systems.....	20,103,275.76	23,066,129.81	26,045,679.00
For depreciation.....	13,748,049.68	14,902,177.02	16,075,959.28
Other reserves.....	1,693,129.83	1,902,308.64	2,048,081.84
Total reserves.....	35,544,455.27	39,870,615.47	44,169,720.12
<b>SURPLUS</b>			
Debentures paid.....	13,150,040.37	15,244,778.28	17,651,367.71
Local sinking fund.....	8,735,050.84	9,099,210.61	9,386,176.58
Operating surplus.....	15,909,043.77	15,476,142.75	14,575,234.35
Total surplus.....	37,794,134.98	39,820,131.64	41,612,778.64
Total liabilities, reserves and surplus.....	125,537,858.08	132,376,063.97	135,703,252.64
Percentage of net debt to total assets...	44.1	43.4	40.4

BALANCE SHEET—Continued

1934	1935	1936	1937	1938
282	284	283	287	288
<div>\$ c.</div> <div>10,262,692.98</div> <div>22,327,618.75</div> <div>21,353,725.80</div> <div>6,031,767.74</div> <div>9,635,279.35</div> <div>8,624,504.78</div> <div>2,395,296.48</div> <div>1,464,306.73</div> <div>3,907,359.92</div> <div>494,932.96</div> <div>4,978,079.44</div> <div>200,000.00</div>	<div>\$ c.</div> <div>10,381,191.41</div> <div>22,072,115.14</div> <div>21,650,567.75</div> <div>6,068,724.47</div> <div>9,678,578.13</div> <div>8,767,892.27</div> <div>2,420,238.81</div> <div>1,486,302.46</div> <div>3,616,986.74</div> <div>496,050.14</div> <div>4,917,917.43</div> <div>200,000.00</div>	<div>\$ c.</div> <div>10,528,595.34</div> <div>22,162,208.03</div> <div>22,163,701.17</div> <div>6,070,337.02</div> <div>9,845,939.94</div> <div>9,043,615.65</div> <div>2,527,188.03</div> <div>1,504,596.77</div> <div>4,019,430.59</div> <div>496,186.33</div> <div>4,876,405.43</div> <div>200,000.00</div>	<div>\$ c.</div> <div>10,785,473.59</div> <div>22,900,269.21</div> <div>22,699,652.43</div> <div>6,100,282.76</div> <div>10,128,591.29</div> <div>9,234,773.90</div> <div>2,610,137.97</div> <div>1,508,564.76</div> <div>4,389,592.08</div> <div>496,186.33</div> <div>4,878,609.01</div> <div>.....</div>	<div>\$ c.</div> <div>10,894,019.12</div> <div>23,614,597.80</div> <div>23,371,092.61</div> <div>6,134,283.64</div> <div>10,494,789.40</div> <div>9,539,413.66</div> <div>2,697,047.84</div> <div>1,516,059.81</div> <div>4,444,880.40</div> <div>497,974.74</div> <div>4,897,097.67</div> <div>.....</div>
91,675,564.93	91,756,564.75	93,438,204.30	95,732,133.33	98,101,256.69
2,215,914.31	2,927,485.90	3,921,121.28	3,080,864.13	3,043,609.87
2,382,446.41	2,593,633.59	2,924,913.30	4,469,369.04	4,832,322.57
4,001,596.09	4,363,297.95	4,560,713.55	4,240,741.41	4,106,655.16
1,110,705.38	1,212,063.37	1,261,843.81	1,336,527.60	1,393,158.18
9,161,419.77	9,086,152.46	9,535,712.83	10,003,873.93	10,397,958.20
29,274,340.46	32,609,979.83	36,193,874.21	40,032,438.34	44,254,118.64
289,158.19	301,317.86	203,167.35	186,252.23	178,534.60
140,111,145.54	144,850,495.71	152,039,550.63	159,082,200.01	166,307,613.91
39,646,989.68	36,667,080.62	34,485,507.43	32,447,411.68	29,987,512.34
3,149,035.07	2,931,934.14	2,879,497.45	2,912,960.24	3,334,802.82
143,556.95	72,084.93	25,559.95	34,787.51	108,753.61
3,669,008.56	3,462,906.61	3,267,141.59	3,216,028.08	3,120,619.84
46,608,590.26	43,134,006.30	40,657,706.42	38,611,187.51	36,551,688.61
29,274,340.46	32,609,979.83	36,193,874.21	40,032,438.34	44,254,118.64
17,426,809.32	18,410,891.84	19,666,170.18	21,034,164.68	22,583,476.69
2,056,820.81	2,459,074.98	2,763,100.40	2,802,650.84	2,814,785.08
48,757,970.59	53,479,946.65	58,623,144.79	63,869,253.86	69,652,380.41
20,608,129.73	23,481,974.13	26,084,294.84	28,468,539.78	30,890,189.93
9,161,419.77	9,086,152.46	9,535,712.83	10,003,873.93	10,397,958.20
14,975,035.19	15,668,416.17	17,138,691.75	18,129,344.93	18,815,396.76
44,744,584.69	48,236,542.76	52,758,699.42	56,601,758.64	60,103,544.89
140,111,145.54	144,850,495.71	152,039,550.63	159,082,200.01	166,307,613.91
35.9	32.0	28.3	25.2	22.4



## CONSOLIDATED BALANCE SHEET—Concluded

YEAR.....	1939	1940	1941
Number of municipalities included.....	293	295	296
<b>ASSETS</b>			
	\$ c.	\$ c.	\$ c.
Lands and buildings.....	11,030,623.50	11,218,258.69	11,488,173.96
Substation equipment.....	23,780,655.18	24,282,151.78	24,896,262.26
Distribution system—overhead.....	23,925,362.60	24,653,458.44	25,228,363.52
Distribution system—underground.....	6,202,371.87	6,214,957.69	6,391,399.25
Line transformers.....	10,855,346.75	11,030,643.29	11,817,440.89
Meters.....	9,838,600.98	9,927,971.40	10,644,655.81
Street lighting equipment—regular.....	2,798,171.62	2,879,996.65	2,940,055.38
Street lighting equipment—ornamental.....	1,518,035.24	1,534,320.08	1,540,369.82
Miscellaneous construction expenses....	4,147,280.84	4,341,259.94	4,366,893.41
Steam or hydraulic plant.....	498,650.81	498,575.87	445,118.58
Old plant.....	4,894,655.59	1,332,606.12	1,329,860.41
Total plant.....	99,489,754.98	97,914,199.95	101,088,593.29
Bank and cash balance.....	3,107,087.65	4,462,197.18	2,991,173.27
Securities and investments.....	4,850,531.80	5,315,855.49	8,368,139.57
Accounts receivable.....	4,774,816.58	4,715,848.86	4,116,252.29
Inventories.....	1,496,275.62	1,630,987.28	1,984,025.53
Sinking fund on local debentures.....	11,032,594.44	5,829,573.87	5,530,647.79
Equity in H-E.P.C. systems.....	48,615,296.94	52,457,676.76	52,458,225.18
Other assets.....	156,520.39	258,395.70	226,034.26
Total assets.....	173,522,878.40	172,584,735.09	176,763,091.18
<b>LIABILITIES</b>			
Debenture balance.....	27,962,685.51	20,636,363.20	17,805,415.36
Accounts payable.....	3,100,565.26	3,095,613.25	3,088,145.27
Bank overdraft.....	180,064.81	187,038.91	302,744.63
Other liabilities.....	2,998,174.20	3,004,624.22	2,987,132.70
Total liabilities.....	34,241,489.78	26,923,638.58	24,183,437.96
<b>RESERVES</b>			
For equity in H-E.P.C. systems.....	48,615,296.94	52,457,676.76	52,458,225.18
For depreciation.....	24,046,526.92	25,733,628.33	27,795,985.72
Other reserves.....	3,090,471.34	3,326,591.65	3,592,384.90
Total reserves.....	75,752,295.20	81,517,896.74	83,846,595.80
<b>SURPLUS</b>			
Debentures paid.....	32,866,660.82	37,245,922.84	39,943,340.75
Local sinking fund.....	11,032,594.44	5,829,573.87	5,530,647.79
Operating surplus.....	19,629,838.16	21,067,703.06	23,259,068.88
Total surplus.....	63,529,093.42	64,143,199.77	68,733,057.42
Total liabilities, reserves and surplus...	173,522,878.40	172,584,735.09	176,763,091.18
Percentage of net debt to total assets...	19.3	17.4	14.6

# CONSOLIDATED OPERATING REPORT

YEAR . . . . .	1912	1913	1914	1915
Number of municipalities included	28	45	69	99
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service . . . . .		572,154.38	789,130.81	944,271.08
Commercial light service . . . . .		525,438.16	673,803.92	720,209.26
Commercial power service . . . . .		905,378.17	1,214,829.31	1,501,797.78
Municipal power . . . . .				
Street lighting . . . . .		560,925.56	698,409.71	835,970.87
Rural service . . . . .				
Miscellaneous . . . . .		53,543.24	57,482.41	68,046.29
Total earnings . . . . .	1,617,674.00	2,617,439.51	3,433,656.16	4,070,295.28
<b>EXPENSES</b>				
Power purchased . . . . .		789,632.87	1,045,752.65	1,484,666.00
Substation operation . . . . .		78,394.81	97,658.90	107,607.31
Substation maintenance . . . . .		18,698.46	31,790.99	25,935.56
Distribution system, operation and maintenance . . . . .		104,114.51	130,998.65	154,409.71
Line transformer maintenance . . . . .		8,547.61	11,764.32	11,508.92
Meter maintenance . . . . .		5,222.19	9,536.07	12,899.14
Consumers' premises expenses . . . . .		53,108.38	65,192.23	47,494.26
Street lighting, operation and maintenance . . . . .		84,903.76	113,047.80	136,983.38
Promotion of business . . . . .		72,303.51	86,683.02	74,402.55
Billing and collecting . . . . .		77,351.76	103,560.71	131,541.27
General office, salaries and expenses . . . . .		154,932.69	230,899.75	236,777.86
Undistributed expense . . . . .		65,423.64	89,350.91	129,209.15
Interest . . . . .		528,549.21	662,092.34	817,978.89
Sinking fund and principal payments on debentures . . . . .		*	*	*
Total expenses . . . . .	1,377,168.00	2,041,183.40	2,678,328.34	3,371,414.00
Surplus . . . . .	240,506.00	576,256.11	755,327.82	698,881.28
Depreciation and other reserves . . . . .	124,992.47	262,675.24	357,883.31	414,506.99
Surplus less depreciation . . . . .	115,513.53	313,580.87	397,444.51	284,374.29

\*Debenture payments included in "Interest."

## CONSOLIDATED

YEAR.....	1916	1917	1918
Number of municipalities included.....	128	143	166
<b>EARNINGS</b>			
	\$ c.	\$ c.	\$ c.
Domestic service.....	1,172,878.96	1,417,460.31	1,632,272.12
Commercial light service.....	812,130.78	899,023.72	968,399.42
Commercial power service.....	1,921,152.31	2,665,280.65	3,417,248.37
Municipal power.....			
Street lighting.....	930,057.48	967,495.10	902,875.55
Rural service.....			
Miscellaneous.....	147,381.50	120,805.39	161,243.70
Total earnings.....	4,983,601.03	6,070,065.17	7,082,039.16
<b>EXPENSES</b>			
Power purchased.....	1,959,446.83	2,573,879.37	2,807,769.33
Substation operation.....	153,761.08	203,091.20	238,257.34
Substation maintenance.....	46,131.53	42,129.04	60,805.92
Distribution system, operation and maintenance.....	154,247.17	169,326.24	223,347.81
Line transformer maintenance.....	14,528.17	25,328.95	30,488.83
Meter maintenance.....	24,218.48	44,461.55	63,155.56
Consumers' premises expenses.....	52,602.01	61,765.14	65,149.59
Street lighting, operation and maintenance.....	145,471.50	157,857.73	196,157.18
Promotion of business.....	79,324.85	73,516.37	64,962.78
Billing and collecting.....	154,508.58	188,083.84	208,660.76
General office, salaries and expenses.....	306,709.35	349,932.05	421,680.15
Undistributed expense.....	97,333.97	102,938.80	117,474.07
Interest.....	951,781.99	1,085,180.80	1,238,425.53
Sinking fund and principal payments on debentures.....	*	*	*
Total expenses.....	4,140,065.51	5,077,491.08	5,736,334.85
Surplus.....	843,535.52	992,574.09	1,345,704.31
Depreciation and other reserves.....	486,141.80	607,296.29	718,162.30
Surplus less depreciation.....	357,393.72	385,277.80	627,542.01

\*Debenture payments included in "Interest."



OPERATING REPORT—Continued

1919	1920	1921	1922	1923	1924
181	186	205	214	224	241
<div>\$ c.</div> <div>1,991,632.31</div> <div>1,175,143.56</div> <div>3,443,107.13</div> <div>.....</div> <div>988,900.95</div> <div>.....</div> <div>228,270.65</div>	<div>\$ c.</div> <div>2,546,345.30</div> <div>1,512,854.63</div> <div>3,752,188.22</div> <div>532,279.09</div> <div>1,005,535.11</div> <div>168,919.95</div> <div>189,778.63</div>	<div>\$ c.</div> <div>3,149,080.03</div> <div>1,851,501.76</div> <div>3,895,437.46</div> <div>654,531.01</div> <div>1,060,357.77</div> <div>145,566.57</div> <div>225,467.70</div>	<div>\$ c.</div> <div>3,786,608.23</div> <div>2,158,306.34</div> <div>4,383,912.97</div> <div>973,263.38</div> <div>1,160,446.81</div> <div>105,877.09</div> <div>187,689.39</div>	<div>\$ c.</div> <div>5,166,452.24</div> <div>3,260,772.50</div> <div>5,927,666.37</div> <div>1,161,598.60</div> <div>1,269,604.48</div> <div>116,639.06</div> <div>316,311.21</div>	<div>\$ c.</div> <div>5,993,231.07</div> <div>3,566,227.22</div> <div>6,222,865.88</div> <div>1,352,966.47</div> <div>1,356,668.97</div> <div>75,100.24</div> <div>231,663.58</div>
7,827,054.60	9,707,900.93	10,981,942.30	12,756,104.21	17,219,044.46	18,798,723.43
<div>3,284,490.68</div> <div>217,638.89</div> <div>81,853.63</div> <div>286,310.76</div> <div>42,509.12</div> <div>78,726.64</div> <div>84,301.24</div> <div>215,963.86</div> <div>74,789.22</div> <div>236,504.75</div> <div>452,131.22</div> <div>190,690.09</div> <div>1,285,571.51</div> <div>*</div>	<div>4,216,667.87</div> <div>285,407.35</div> <div>102,050.81</div> <div>344,551.57</div> <div>46,323.09</div> <div>123,701.18</div> <div>116,283.52</div> <div>236,930.79</div> <div>78,294.85</div> <div>295,942.88</div> <div>559,695.29</div> <div>256,400.33</div> <div>1,431,807.16</div> <div>*</div>	<div>4,876,650.31</div> <div>314,838.35</div> <div>104,798.01</div> <div>487,918.33</div> <div>65,088.46</div> <div>116,722.97</div> <div>134,854.92</div> <div>297,481.52</div> <div>101,804.46</div> <div>321,685.71</div> <div>656,268.11</div> <div>308,874.42</div> <div>998,611.47</div> <div>532,183.96</div>	<div>6,636,853.37</div> <div>315,443.70</div> <div>100,763.67</div> <div>519,252.16</div> <div>52,932.26</div> <div>107,806.88</div> <div>143,388.88</div> <div>297,363.86</div> <div>129,932.63</div> <div>338,153.50</div> <div>605,852.50</div> <div>385,895.03</div> <div>1,074,657.44</div> <div>635,469.90</div>	<div>8,699,026.67</div> <div>474,442.13</div> <div>133,815.53</div> <div>636,477.41</div> <div>75,920.10</div> <div>139,104.81</div> <div>218,682.02</div> <div>299,579.08</div> <div>184,371.00</div> <div>444,306.92</div> <div>937,463.47</div> <div>359,206.91</div> <div>1,615,205.16</div> <div>990,907.14</div>	<div>9,669,789.40</div> <div>430,056.09</div> <div>202,050.04</div> <div>648,700.62</div> <div>82,936.50</div> <div>141,231.23</div> <div>237,316.20</div> <div>269,973.30</div> <div>202,060.74</div> <div>490,273.30</div> <div>889,907.66</div> <div>494,078.50</div> <div>1,779,991.26</div> <div>1,122,798.87</div>
6,531,481.61	8,094,056.69	9,317,781.00	11,343,765.78	15,208,508.35	16,661,163.71
<div>1,295,572.99</div> <div>814,219.37</div> <div>481,353.62</div>	<div>1,613,844.24</div> <div>902,028.75</div> <div>711,815.49</div>	<div>1,664,161.30</div> <div>1,044,434.85</div> <div>619,726.45</div>	<div>1,412,338.43</div> <div>715,814.24</div> <div>696,524.19</div>	<div>2,010,536.11</div> <div>916,782.75</div> <div>1,093,753.36</div>	<div>2,137,559.72</div> <div>973,649.62</div> <div>1,163,910.10</div>

## CONSOLIDATED

YEAR.....	1925	1926	1927
Number of municipalities included.....	242	248	251
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	6,439,159.86	7,372,602.62	8,189,866.89
Commercial light service.....	3,866,292.79	4,187,899.19	4,626,815.51
Commercial power service.....	6,568,854.77	6,789,217.54	7,342,173.20
Municipal power.....	1,923,093.09	1,922,512.34	1,913,502.88
Street lighting.....	1,415,382.22	1,457,686.21	1,489,242.37
Rural service.....	37,975.18	37,810.73	13,765.72
Miscellaneous.....	286,451.08	471,134.15	581,913.04
Total earnings.....	20,537,208.99	22,238,862.78	24,157,279.61
<b>EXPENSES</b>			
Power purchased.....	11,063,123.34	12,185,669.10	13,505,583.77
Substation operation.....	417,921.71	450,416.84	430,211.76
Substation maintenance.....	207,497.63	286,520.37	275,148.86
Distribution system, operation and maintenance.....	686,344.54	795,514.70	758,747.10
Line transformer maintenance.....	75,473.28	74,876.11	94,706.38
Meter maintenance.....	156,909.55	189,603.70	214,813.87
Consumers' premises expenses.....	252,808.47	275,020.62	285,352.68
Street lighting, operation and maintenance.....	275,316.60	295,869.37	318,395.79
Promotion of business.....	217,102.24	234,696.74	220,687.60
Billing and collecting.....	521,134.01	557,271.54	605,627.58
General office, salaries and expenses.....	891,640.29	786,742.60	824,868.90
Undistributed expense.....	520,584.58	460,288.30	531,003.80
Truck operation and maintenance.....			
Interest.....	1,889,810.95	1,985,233.73	2,063,698.00
Sinking fund and principal payments on debentures.....	1,294,027.29	1,347,511.92	1,505,626.31
Total expenses.....	18,469,694.48	19,925,235.64	21,634,472.40
Surplus.....	2,067,514.51	2,313,627.14	2,522,807.21
Depreciation and other reserves.....	1,068,880.42	1,146,273.05	1,249,711.65
Surplus less depreciation.....	998,634.09	1,167,354.09	1,273,095.56

OPERATING REPORT—Continued

1928	1929	1930	1931	1932	1933
255	259	267	275	280	282
\$ c. 8,925,050.56 5,182,723.32 8,298,669.44 1,921,300.97 1,534,476.98 *48,451.90 465,791.92	\$ c. 9,873,681.57 5,697,766.06 9,376,158.74 2,086,444.24 1,598,262.43 *51,590.54 522,780.95	\$ c. 10,542,903.89 5,961,383.23 9,340,653.28 2,111,482.38 1,674,528.03 *28,954.60 581,914.78	\$ c. 10,972,952.10 6,230,475.89 9,456,224.97 1,967,118.54 1,746,855.24 *29,446.38 511,139.80	\$ c. 11,447,307.85 6,243,794.01 9,356,693.88 1,859,585.35 1,783,972.46 *11,069.27 513,787.30	\$ c. 11,429,101.13 6,013,025.96 9,080,522.07 1,826,872.07 1,779,582.48 *12,812.74 485,925.43
26,376,465.09	29,206,684.53	30,241,820.19	30,914,212.92	31,216,210.12	30,627,841.88
14,688,570.08 420,512.48 247,647.88	16,379,162.88 461,270.27 274,275.56	17,323,077.97 479,502.48 320,716.48	18,085,166.51 487,484.17 303,536.11	19,109,036.25 503,351.82 300,186.15	19,330,861.58 484,764.57 288,583.29
736,159.85 88,676.18 218,530.96 291,333.03	907,817.04 93,608.14 242,126.27 314,495.03	991,972.86 96,746.35 278,379.43 317,902.45	1,015,256.14 93,463.24 284,633.88 363,078.47	969,750.51 95,485.55 300,104.85 368,208.73	895,350.99 82,321.32 283,115.98 361,499.20
329,597.16 249,842.01 638,797.02 844,578.55 542,755.34	359,373.40 250,844.28 695,729.42 904,025.64 502,206.06	372,211.07 249,070.05 745,159.02 907,226.89 523,862.96	368,119.49 255,956.03 792,983.99 923,676.84 520,893.10	360,709.76 266,760.84 818,721.33 960,553.88 436,692.96	353,082.15 259,936.42 817,660.03 903,517.79 349,101.36
542,755.34 2,111,049.49	110,630.62 2,152,695.49	112,029.82 2,220,214.45	107,918.93 2,328,094.32	112,059.90 2,532,940.93	105,452.68 2,426,286.35
1,601,711.32	1,687,201.64	1,828,061.62	2,061,718.79	2,244,367.86	2,319,319.09
23,009,761.35	25,335,461.74	26,766,134.00	27,991,980.01	29,378,936.42	29,265,852.80
3,366,703.74 1,350,252.16	3,871,222.79 1,469,846.83	3,475,686.19 1,574,991.68	2,922,232.91 1,775,330.69	1,837,273.70 1,920,896.22	1,361,989.08 1,989,000.41
2,016,451.58	2,401,375.96	1,900,694.51	1,146,902.22	83,622.52 (loss)	627,011.33 (loss)

\*Profits from the sale of merchandise. Rural service now given in Rural Power Districts.



## CONSOLIDATED

YEAR.....	1934	1935	1936
Number of municipalities included.....	282	284	283
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	11,844,033.10	12,145,219.89	12,682,140.18
Commercial light service.....	6,206,086.35	6,458,748.57	6,815,439.16
Commercial power service.....	9,692,784.37	10,211,968.71	10,694,192.44
Municipal power.....	1,875,969.80	1,821,285.82	1,817,986.94
Street lighting.....	1,777,596.69	1,788,760.38	1,799,420.87
Merchandise.....	18,747.73	21,669.98	23,158.76
Miscellaneous.....	555,172.04	562,285.82	575,825.49
Total earnings.....	31,970,390.08	33,009,939.17	34,408,163.84
<b>EXPENSES</b>			
Power purchased.....	19,591,887.79	20,053,676.40	20,486,582.65
Substation operation.....	468,944.09	478,813.83	478,855.71
Substation maintenance.....	296,550.52	297,127.27	301,897.24
Distribution system, operation and maintenance.....	844,813.95	830,633.88	855,576.02
Line transformer maintenance.....	75,172.18	70,749.63	72,711.67
Meter maintenance.....	291,402.79	313,234.11	328,410.90
Consumers' premises expenses.....	352,499.09	340,761.52	306,644.80
Street lighting, operation and maintenance.....	338,784.80	340,120.36	356,932.01
Promotion of business.....	228,741.36	252,648.33	288,338.93
Billing and collecting.....	827,860.20	835,375.90	945,892.70
General office, salaries and expenses.....	908,039.75	943,880.18	967,269.06
Undistributed expense.....	362,322.12	360,676.96	448,332.98
Truck operation and maintenance.....	98,081.61	95,150.54	69,805.06
Interest.....	2,204,994.25	2,040,130.35	1,893,304.28
Sinking fund and principal payments on debentures.....	2,358,169.12	2,423,088.34	2,448,223.80
Total expenses.....	29,248,263.62	29,686,067.60	30,248,777.81
Surplus.....	2,722,126.46	3,323,871.57	4,159,386.03
Depreciation and other reserves.....	2,036,637.33	2,076,322.24	2,230,021.86
Surplus less depreciation.....	685,489.13	1,247,549.33	1,929,364.17

# OPERATING REPORT—Concluded

1937	1938	1939	1940	1941
287	288	293	295	296
<div>\$ c.</div> <div>12,448,345.63</div> <div>6,510,685.15</div> <div>11,063,764.43</div> <div>1,731,311.34</div> <div>1,781,363.37</div> <div>22,971.02</div> <div>607,035.54</div>	<div>\$ c.</div> <div>12,607,601.30</div> <div>6,727,374.48</div> <div>10,527,631.36</div> <div>1,677,069.34</div> <div>1,813,555.27</div> <div>26,588.18</div> <div>602,012.80</div>	<div>\$ c.</div> <div>13,038,748.37</div> <div>7,077,144.74</div> <div>10,957,719.66</div> <div>1,760,977.25</div> <div>1,831,090.33</div> <div>28,874.86</div> <div>595,235.49</div>	<div>\$ c.</div> <div>13,705,710.79</div> <div>7,642,679.90</div> <div>12,458,439.08</div> <div>1,741,235.23</div> <div>1,842,443.63</div> <div>56,818.83</div> <div>577,959.98</div>	<div>\$ c.</div> <div>14,287,828.19</div> <div>7,885,693.81</div> <div>14,591,053.03</div> <div>1,832,379.38</div> <div>1,880,560.01</div> <div>58,695.51</div> <div>526,771.53</div>
34,165,476.48	33,981,832.73	35,289,790.70	38,025,287.44	41,062,981.46
<div>20,532,736.85</div> <div>490,737.94</div> <div>300,389.49</div> <div>889,990.11</div> <div>81,365.18</div> <div>343,658.47</div> <div>420,366.36</div> <div>364,325.53</div> <div>294,574.21</div> <div>980,540.10</div> <div>940,890.76</div> <div>476,370.44</div> <div>77,995.38</div> <div>1,752,287.58</div> <div>2,429,565.06</div>	<div>20,575,457.95</div> <div>493,651.06</div> <div>351,013.94</div> <div>921,064.94</div> <div>94,040.92</div> <div>384,357.58</div> <div>483,012.96</div> <div>373,065.44</div> <div>309,626.97</div> <div>987,040.66</div> <div>931,120.05</div> <div>430,609.32</div> <div>84,111.05</div> <div>1,642,663.25</div> <div>2,424,098.70</div>	<div>21,855,595.20</div> <div>516,987.25</div> <div>377,013.25</div> <div>943,859.59</div> <div>95,577.72</div> <div>386,145.71</div> <div>488,980.55</div> <div>384,071.55</div> <div>317,467.64</div> <div>1,008,065.66</div> <div>966,550.98</div> <div>463,456.65</div> <div>80,263.46</div> <div>1,594,040.32</div> <div>2,420,441.30</div>	<div>23,756,863.14</div> <div>544,234.10</div> <div>322,375.73</div> <div>930,055.53</div> <div>101,617.16</div> <div>372,562.74</div> <div>568,135.41</div> <div>366,911.70</div> <div>293,022.17</div> <div>1,020,648.93</div> <div>960,065.70</div> <div>555,414.26</div> <div>79,848.64</div> <div>1,464,381.29</div> <div>2,389,723.60</div>	<div>26,017,260.84</div> <div>552,820.54</div> <div>316,677.27</div> <div>993,886.44</div> <div>114,304.18</div> <div>409,252.72</div> <div>604,642.97</div> <div>379,905.55</div> <div>262,910.03</div> <div>1,074,173.90</div> <div>1,053,367.83</div> <div>480,317.80</div> <div>93,032.89</div> <div>1,027,985.34</div> <div>2,248,937.42</div>
30,375,793.46	30,484,934.79	31,898,516.83	33,725,860.10	35,629,475.72
<div>3,789,683.02</div> <div>2,329,625.64</div>	<div>3,496,897.94</div> <div>2,451,529.46</div>	<div>3,391,273.87</div> <div>2,524,364.33</div>	<div>4,299,427.34</div> <div>2,644,127.10</div>	<div>5,433,505.74</div> <div>2,933,730.99</div>
1,460,057.38	1,045,368.48	866,909.54	1,655,300.24	2,499,774.75

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig 487	Alvinston	Amherst- burg 2,704
Population.....	1,903	P.V.		649	
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	1,545.45			133.56	
Substation equipment.....	1,962.78				932.00
Distribution system—overhead...	27,298.55	9,401.02	7,844.15	16,382.71	39,750.54
Distribution system—underground					
Line transformers.....	15,636.41	5,152.37	3,189.17	2,941.70	21,149.68
Meters.....	12,106.21	3,104.53	2,780.29	3,514.27	16,284.60
Street light equipment, regular....	2,378.79	959.47	457.58	1,280.09	1,587.79
Street light equipment, ornamental					5,598.72
Miscellaneous construction expense	2,196.66	23.30	492.36	1,096.68	3,670.85
Steam or hydraulic plant.....					
Old plant.....				773.85	
Total plant.....	63,124.85	18,640.69	14,763.55	26,122.86	88,974.18
Bank and cash balance.....	2,640.89	1,261.61	1,414.91	763.99	10,594.10
Securities and investments.....	9,500.00	5,500.00	7,500.00	5,500.00	3,000.00
Accounts receivable.....	573.23	191.01	752.75	36.48	6,623.44
Inventories.....	1,303.47				
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	70,973.63	11,594.47	15,874.72	15,940.84	55,795.01
Other assets.....	2.65	103.47			
Total assets.....	148,118.72	37,291.25	40,305.93	48,364.17	164,986.73
Deficit.....				381.06	
Total.....	148,118.72	37,291.25	40,305.92	48,745.23	164,986.73
<b>LIABILITIES</b>					
Debenture balance.....				1,687.93	10,679.20
Accounts payable.....	90.63	217.48	247.78		245.88
Bank overdraft.....					
Other liabilities.....	1,171.30		150.00	67.00	6,891.59
Total liabilities.....	1,261.98	217.48	397.78	1,754.93	17,816.67
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	70,973.63	11,594.47	15,874.72	15,940.84	55,795.01
For depreciation.....	11,986.41	3,132.73	6,755.73	9,148.65	27,373.36
Other reserves.....		42.90		59.50	488.33
Total reserves.....	82,960.04	14,770.10	22,630.45	25,148.99	83,656.70
<b>SURPLUS</b>					
Debentures paid.....	14,500.00	8,072.65	6,883.38	21,841.31	21,374.40
Local sinking fund.....					
Operating surplus.....	49,396.70	14,231.02	10,394.32		42,138.96
Total surplus.....	63,896.70	22,303.67	17,277.70	21,841.31	63,513.36
Total liabilities, reserves and surplus	148,118.72	37,291.25	40,305.93	48,745.23	164,986.73
Percentage of net debt to total assets	1.6	0.9	1.6	5.4	11.8



“A”

Hydro Municipalities as at December 31, 1941

Ancaster Twp.	Arkona 403	Aylmer 1,985	Ayr 748	Baden P.V.	Beachville P.V.	Beamsville 1,227
\$ c.	\$ c.	\$ c. 10,996.52	\$ c. 125.00	\$ c. 660.64	\$ c. 176.13	\$ c.
19,873.28	10,048.73	27,260.13	13,086.93	9,637.77	15,807.64	16,733.01
13,926.63	2,303.10	15,170.52	5,616.06	6,612.00	4,886.14	10,315.28
6,451.66	1,833.26	12,790.23	4,286.35	3,980.24	3,472.60	7,251.97
1,521.91	750.31	4,541.28	1,162.14	738.66	444.23	2,687.88
1,160.01	247.75	2,353.08	822.49	318.49	602.04	314.85
	1,030.30	6,469.47	4,002.53			
42,933.49	16,213.45	79,581.23	29,101.50	21,947.80	25,388.78	37,302.99
2,789.10		1,099.81	41.20	1,148.05	1,535.44	3,658.06
433.75	45.70	11,000.00	2,000.00	2,500.00	6,500.00	200.86
		935.21	1,307.17	72.28	291.79	
		594.38				
17,811.72	6,404.38	44,510.71	15,446.25	33,067.38	42,335.55	4,206.62
						16,561.48
63,968.06	22,663.53	137,721.34	47,896.12	58,735.51	76,051.56	61,930.01
	747.53					
63,968.06	23,411.06	137,721.34	47,896.12	58,735.51	76,051.56	61,930.01
7,669.16	3,959.66	7,913.67	3,448.03			15,590.87
1,206.14	179.59	176.25	656.87	1.05	71.06	464.00
	122.40					
268.58	7.00	773.36	46.00			683.91
9,143.88	4,268.65	8,863.28	4,150.90	1.05	71.06	16,738.78
17,811.72	6,404.38	44,510.71	15,446.25	33,067.38	42,335.55	4,206.62
11,239.80	3,584.86	19,616.55	8,023.32	2,730.34	9,126.61	5,476.01
48.23		654.83	517.29			
29,099.75	9,989.24	64,782.09	23,986.86	35,797.72	51,462.16	9,682.63
6,441.12	9,153.17	30,788.25	14,055.35	5,000.00	5,353.00	21,909.13
19,283.31		33,287.72	5,703.01	17,936.74	19,165.34	13,599.47
25,724.43	9,153.17	64,075.97	19,758.36	22,936.74	24,518.34	35,508.60
63,968.06	23,411.06	137,721.34	47,896.12	58,735.51	76,051.56	61,930.01
19.8	26.3	9.5	12.8	0.0	0.2	29.0

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Belle River 836	Blenheim	Blyth	Bolton	Bothwell
Population . . . . .		1,873	662	629	683
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	204.20	13,022.93			
Substation equipment . . . . .		909.64			
Distribution system—overhead . . . . .	19,764.99	32,449.08	11,830.76	10,506.33	7,617.25
Distribution system—underground . . . . .					
Line transformers . . . . .	4,445.86	12,136.75	2,449.70	4,488.88	3,207.58
Meters . . . . .	4,556.14	11,186.00	2,417.71	3,599.32	3,470.66
Street light equipment, regular . . . . .	1,312.50	3,859.04	1,569.43	873.89	3,571.49
Street light equipment, ornamental . . . . .		1,482.97			1,131.22
Miscellaneous construction expense . . . . .	1,062.39	688.92	254.59	1,535.60	622.38
Steam or hydraulic plant . . . . .					
Old plant . . . . .			2,096.17	1,554.60	
Total plant . . . . .	31,346.08	75,735.33	20,618.36	22,558.62	19,620.58
Bank and cash balance . . . . .	2,963.21	713.43	378.03	275.92	1,611.90
Securities and investments . . . . .	4,000.00		3,500.00	8,000.00	11,000.00
Accounts receivable . . . . .	35.98	1,022.93	606.97	422.07	99.80
Inventories . . . . .		990.51			27.28
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	10,772.64	39,154.86	10,127.62	18,122.16	17,984.60
Other assets . . . . .					
Total assets . . . . .	49,117.91	117,617.06	35,230.98	49,378.77	50,344.16
Deficit . . . . .					
Total . . . . .	49,117.91	117,617.06	35,230.98	49,378.77	50,344.16
<b>LIABILITIES</b>					
Debenture balance . . . . .		3,524.53		1,682.95	1,258.69
Accounts payable . . . . .	60.93	5,503.63		192.24	
Bank overdraft . . . . .					
Other liabilities . . . . .	185.00	1,880.47	170.00		1,236.22
Total liabilities . . . . .	245.93	10,908.63	170.00	1,875.19	2,494.91
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	10,772.64	39,154.86	10,127.62	18,122.16	17,984.60
For depreciation . . . . .	10,707.21	21,712.16	6,161.74	8,710.19	7,948.24
Other reserves . . . . .		227.53			15.13
Total reserves . . . . .	21,479.85	61,094.55	16,289.36	26,832.35	25,947.97
<b>SURPLUS</b>					
Debentures paid . . . . .	8,500.00	10,475.47	16,032.52	10,817.05	4,275.50
Local sinking fund . . . . .					
Operating surplus . . . . .	18,892.13	35,138.41	2,739.10	9,854.18	17,625.78
Total surplus . . . . .	27,392.13	45,613.88	18,771.62	20,671.23	21,901.28
Total liabilities, reserves and surplus . . . . .	49,117.91	117,617.06	35,230.98	49,378.77	50,344.16
Percentage of net debt to total assets . . . . .	0.6	12.2	0.7	6.0	4.4

“A”—Continued

Hydro Municipalities as at December 31, 1941

Brampton	Brantford	Brantford Twp.	Bridgeport	Brigden	Brussels	Burford
5,702	30,947		P.V.	P.V.	784	P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,355.12	114,570.48			1,482.03		202.00
35,006.39	322,724.37	1,192.71				
54,686.20	275,580.81	68,584.14	10,395.83	8,253.90	14,457.09	9,529.27
37,805.93	195,221.96	21,236.73	3,275.45	2,825.58	3,046.95	4,322.83
31,489.08	159,702.89	17,471.63	2,952.53	2,674.50	4,338.82	4,225.43
12,334.99	26,377.42	5,555.23	1,635.60	494.23	1,587.79	425.14
	37,500.00					
23,224.38	44,823.89	2,839.08	654.28	1,231.23	1,537.56	727.24
	6,000.00				2,827.50	
199,902.09	1,182,501.82	116,879.52	18,913.69	16,961.47	27,795.71	19,431.91
66.00	18,483.14	75.00	3,535.70	769.88	702.11	616.86
1,861.87	21,500.00	6,000.00		2,500.00	10,500.00	5,000.00
922.47	21,272.14	471.43	130.71	42.95	305.68	181.68
247.17	14,944.57					
177,834.28	935,988.05	35,387.32	6,523.59	12,275.79	13,558.61	14,191.58
68.25	244.00	141.78				
380,902.13	2,194,933.72	158,955.05	29,103.69	32,550.09	52,862.11	39,422.03
380,902.13	2,194,933.72	158,955.05	29,103.69	32,550.09	52,862.11	39,422.03
	37,000.00		6,109.30		3,244.25	
6,626.82	1,914.56	612.57				33.46
2,169.17		2,031.20				
1,067.00	60,804.99	2,141.78	254.24	25.00	111.73	94.08
9,862.99	99,719.55	4,785.55	6,363.54	25.00	3,355.98	127.54
177,834.28	935,988.05	35,387.32	6,523.59	12,275.79	13,558.61	14,191.58
68,545.53	436,416.31	29,357.48	6,985.99	5,435.13	9,263.68	6,308.18
216.64	10,112.89	40.93		97.24		
246,596.45	1,382,517.25	64,785.73	13,509.58	17,808.16	22,822.29	20,499.76
69,050.64	493,000.00	57,125.66	6,258.73	8,000.00	17,755.75	9,000.00
55,392.05	219,696.92	32,258.11	2,971.84	6,716.93	8,928.09	9,794.73
124,442.69	712,696.92	89,383.77	9,230.57	14,716.93	26,683.84	18,794.73
380,902.13	2,194,933.72	158,955.05	29,103.69	32,550.09	52,862.11	39,422.03
4.9	5.1	3.9	28.2	0.1	8.5	0.5



## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Burgess- ville P.V.	Caledonia	Campbell- ville P.V.	Cayuga	Chatham
Population . . . . .		1,425		700	17,148
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .		595.60			90,216.28
Substation equipment . . . . .					154,326.67
Distribution system—overhead . . . . .	3,806.38	19,830.18	3,002.37	19,410.53	157,250.48
Distribution system—underground . . . . .					86,297.88
Line transformers . . . . .	1,395.24	7,059.09	820.55	5,389.92	104,947.30
Meters . . . . .	1,161.12	8,384.73	808.75	4,127.77	82,246.56
Street light equipment, regular . . . . .	261.02	2,042.67	335.61	1,357.57	20,047.03
Street light equipment, ornamental . . . . .					35,426.10
Miscellaneous construction expense . . . . .	457.22	1,617.58	6.82	571.36	30,177.64
Steam or hydraulic plant . . . . .					
Old plant . . . . .					42,752.31
Total plant . . . . .	7,080.98	39,529.85	4,974.10	30,857.15	803,688.25
Bank and cash balance . . . . .	645.22	493.96	512.48	1,007.98	
Securities and investments . . . . .	1,000.00	3,200.00	2,400.00	1,000.00	55,000.00
Accounts receivable . . . . .	408.13	48.59	400.92	282.57	43,111.90
Inventories . . . . .		1,001.45		339.27	17,600.49
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	5,523.44	23,572.73	2,684.24	10,064.20	411,496.26
Other assets . . . . .				0.57	610.00
Total assets . . . . .	14,657.77	67,846.58	10,971.74	43,551.74	1,331,506.90
Deficit . . . . .					
Total . . . . .	14,657.77	67,846.58	10,971.74	43,551.74	1,331,506.90
LIABILITIES					
Debenture balance . . . . .			895.02	4,515.23	118,984.40
Accounts payable . . . . .	0.31	69.40	32.98	513.31	17,546.77
Bank overdraft . . . . .					10,969.46
Other liabilities . . . . .		103.50		180.00	46,207.50
Total liabilities . . . . .	0.31	172.90	928.00	5,208.54	193,708.13
RESERVES					
For equity in H-E.P.C. systems . . . . .	5,523.44	23,572.73	2,684.24	10,064.20	411,496.26
For depreciation . . . . .	3,788.54	4,297.95	1,530.37	7,461.67	194,036.34
Other reserves . . . . .				116.21	28,084.47
Total reserves . . . . .	9,311.98	27,870.68	4,214.61	17,642.08	633,617.07
SURPLUS					
Debentures paid . . . . .	3,500.00	4,624.00	4,552.75	15,484.77	251,015.60
Local sinking fund . . . . .					
Operating surplus . . . . .	1,845.48	35,179.00	1,276.38	5,216.35	253,166.10
Total surplus . . . . .	5,345.48	39,803.00	5,829.13	20,701.12	504,181.70
Total liabilities, reserves and surplus . . . . .	14,657.77	67,846.58	10,971.74	43,551.74	1,331,506.90
Percentage of net debt to total assets . . . . .	0.0	0.4	10.8	15.6	17.9

“A”—Continued

Hydro Municipalities as at December 31, 1941

Chippawa 1,228	Clifford 491	Clinton 1,879	Comber P.V.	Cottam P.V.	Courtright 344	Dashwood P.V.
\$ c. 1,434.46	\$ c.	\$ c. 10,227.74 7,598.09	\$ c. 62.00	\$ c. 475.63	\$ c.	\$ c.
12,342.87	8,309.56	26,462.41	7,977.66	10,204.26	6,575.96	3,872.99
7,918.33	1,810.86	10,858.69	5,080.42	2,274.24	1,225.40	2,400.81
6,927.15	2,565.11	11,020.05	2,774.43	2,118.91	981.92	1,920.89
3,141.60	1,014.93	5,705.10	423.35	366.43	425.08	364.52
1,773.88	40.49	5,392.75	1,135.29	330.80	616.86	305.37
		10,658.09				
33,538.29	13,740.95	87,922.92	17,453.15	15,770.27	9,825.22	8,864.58
2,006.61	265.31	6,440.33	18.07	274.22	927.72	1,352.06
4,000.00	3,000.00	6,500.00	6,500.00	5,391.66	4,000.00	3,000.00
99.49	21.53	1,174.24	15.95	74.41	54.24	10.48
337.87		4,699.74				
17,806.71	7,346.28	48,364.95	19,244.17	4,540.56	5,903.96	8,748.60
61.59				4.26		
57,850.56	24,374.07	155,102.18	43,231.34	26,055.38	20,711.14	21,975.72
57,850.56	24,374.07	155,102.18	43,231.34	26,055.38	20,711.14	21,975.72
	5,018.45			3,216.06		999.02
	19.76	159.13	1,089.77	460.90	0.43	126.71
835.50	5.00	522.22	70.00	195.00		
835.50	5,043.21	681.35	1,159.77	3,871.96	0.43	1,125.73
17,806.71	7,346.28	48,364.95	19,244.17	4,540.56	5,903.96	8,748.60
5,941.03	3,740.92	27,674.83	7,354.90	5,222.19	2,637.40	3,646.42
		555.86		43.54	13.27	
23,747.74	11,087.20	76,595.64	26,599.07	9,806.29	8,554.63	12,395.02
13,350.00	2,981.55	44,500.00	7,700.00	5,784.16	8,138.35	2,400.98
19,917.32	5,262.11	33,325.19	7,772.50	6,592.97	4,017.73	6,053.99
33,267.32	8,243.66	77,825.19	15,472.50	12,377.13	12,156.08	8,454.97
57,850.56	24,374.07	155,102.18	43,231.34	26,055.38	20,711.14	21,975.72
2.1	29.6	0.6	4.8	18.0	0.0	8.5

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Delaware	Delhi	Dorchester	Drayton	Dresden
Population . . . . .	P.V.	2,430	P.V.	521	1,525
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .		2,177.24			523.00
Substation equipment . . . . .					20,075.44
Distribution system—overhead . . . . .	5,309.95	28,550.66	9,428.00	10,041.31	7,722.31
Distribution system—underground . . . . .					7,620.42
Line transformers . . . . .	1,819.08	16,354.51	3,317.06	4,425.18	1,652.15
Meters . . . . .	1,420.22	12,088.47	2,804.54	3,662.59	
Street light equipment, regular . . . . .	202.58	3,860.38	907.18	772.21	
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	203.81	4,285.15	428.43	448.61	2,453.54
Steam or hydraulic plant . . . . .					
Old plant . . . . .		28,518.74			
Total plant . . . . .	8,955.64	95,835.15	16,885.21	19,349.90	40,046.86
Bank and cash balance . . . . .	154.80	5,891.32	370.79	934.18	1,045.98
Securities and investments . . . . .	1,250.00	6,000.00	2,700.00	5,500.00	4,500.00
Accounts receivable . . . . .	7.93	642.78	779.80	55.56	1,050.50
Inventories . . . . .		2,977.39			1,648.23
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	3,392.83	4,015.97	7,868.19	13,017.32	33,085.01
Other assets . . . . .	270.25	1.44			125.26
Total assets . . . . .	14,031.45	115,364.05	28,603.99	38,856.96	81,501.84
Deficit . . . . .					
Total . . . . .	14,031.45	115,364.05	28,603.99	38,856.96	81,501.84
<b>LIABILITIES</b>					
Debenture balance . . . . .	709.06	78,173.57	990.76	3,398.77	
Accounts payable . . . . .	14.24	437.14	0.06	67.18	208.21
Bank overdraft . . . . .					
Other liabilities . . . . .		1,432.65	29.36		360.00
Total liabilities . . . . .	723.30	80,043.36	1,020.18	3,465.95	568.21
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	3,392.83	4,015.97	7,868.19	13,017.32	33,085.01
For depreciation . . . . .	772.63	8,643.68	4,341.78	9,161.13	5,899.82
Other reserves . . . . .	30.00		46.17		689.12
Total reserves . . . . .	4,195.46	12,659.65	12,256.14	22,178.45	39,673.95
<b>SURPLUS</b>					
Debentures paid . . . . .	3,290.94	6,826.43	3,309.24	6,101.23	11,423.24
Local sinking fund . . . . .					
Operating surplus . . . . .	5,821.75	15,834.61	12,018.43	7,111.33	29,836.44
Total surplus . . . . .	9,112.69	22,661.04	15,327.67	13,212.56	41,259.68
Total liabilities, reserves and surplus . . . . .	14,031.45	115,364.05	28,603.99	38,856.96	81,501.84
Percentage of net debt to total assets . . . . .	6.8	71.9	4.5	13.4	1.2



“A”—Continued

Hydro Municipalities as at December 31, 1941

Drumbo P.V.	Dublin P.V.	Dundas 5,001	Dunnville 3,916	Dutton 830	East York Twp.	Elmira 2,068
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	.....	16,659.29	3,495.43	75.11	25,915.38	7,458.03
.....	.....	13,999.39	39,710.85	.....	8,893.55	.....
4,737.26	5,886.34	53,847.47	41,353.79	10,090.30	357,732.33	36,929.07
.....	.....	.....	.....	.....	.....	540.21
1,801.50	1,354.25	25,183.98	23,042.00	4,061.79	101,920.40	21,120.00
2,181.86	1,135.99	26,480.46	21,278.18	3,630.46	162,955.65	14,871.29
284.27	544.86	11,535.93	9,683.03	754.38	29,689.30	2,288.27
.....	.....	1,154.52	.....	.....	.....	.....
235.58	835.92	6,155.15	7,679.36	307.03	31,905.64	1,177.72
.....	.....	1,867.38	10,717.62	.....	.....	2,168.08
.....	.....	.....	.....	.....	.....	.....
9,240.47	9,757.36	156,883.57	156,960.26	18,919.07	719,012.25	86,552.67
.....	.....	.....	.....	.....	.....	.....
4,532.28	696.16	6,250.43	6,838.78	.....	15,448.71	599.56
2,000.00	1,200.00	21,500.00	15,000.00	7,500.00	2,000.00	12,000.00
521.62	89.63	814.97	912.26	7.80	6,275.93	729.43
.....	.....	334.06	2,053.49	.....	8,498.80	.....
.....	.....	.....	.....	.....	.....	.....
6,844.45	5,893.78	144,669.31	64,261.68	20,428.69	284,282.25	79,533.65
.....	.....	327.76	0.28	.....	748.93	.....
.....	.....	.....	.....	.....	.....	.....
23,138.82	17,636.93	330,780.10	246,026.75	46,855.56	1,036,266.87	179,415.31
.....	.....	.....	.....	.....	.....	.....
23,138.82	17,636.93	330,780.10	246,026.75	46,855.56	1,036,266.87	179,415.31
.....	.....	.....	.....	.....	.....	.....
797.17	.....	4,687.85	24,043.78	.....	118,082.33	8,387.63
54.75	37.25	412.81	141.33	.....	49,203.01	5.00
.....	.....	.....	.....	85.02	.....	.....
.....	11.00	8,697.36	2,164.46	212.36	16,485.77	785.65
.....	.....	.....	.....	.....	.....	.....
851.92	48.25	13,798.02	26,349.57	297.38	183,771.11	9,178.28
.....	.....	.....	.....	.....	.....	.....
6,844.45	5,893.78	144,669.31	64,261.68	20,428.69	284,282.25	79,533.65
5,556.86	5,426.85	70,637.34	43,204.61	9,865.50	120,497.49	29,929.39
.....	.....	370.56	.....	34.22	2,384.00	.....
.....	.....	.....	.....	.....	.....	.....
12,401.31	11,320.63	215,677.21	107,466.29	30,328.41	407,163.74	109,463.04
.....	.....	.....	.....	.....	.....	.....
3,702.83	6,200.00	48,312.15	51,456.22	8,407.49	238,985.45	28,780.87
.....	.....	.....	.....	.....	.....	.....
6,182.76	68.05	52,992.72	60,754.67	7,822.28	206,346.57	31,993.12
.....	.....	.....	.....	.....	.....	.....
9,885.59	6,268.05	101,304.87	112,210.89	16,229.77	445,332.02	60,773.99
.....	.....	.....	.....	.....	.....	.....
23,138.82	17,636.93	330,780.10	246,026.75	46,855.56	1,036,266.87	179,415.31
.....	.....	.....	.....	.....	.....	.....
5.2	0.4	6.8	14.5	1.1	24.4	9.2

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality . . . . .	Elora	Embro	Erieau	Erie Beach †21	Essex
Population . . . . .	1,185	420	*281		1,886
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	1,524.54				
Substation equipment . . . . .					
Distribution system—overhead . . . . .	18,493.05	10,563.04	11,452.99	2,598.33	39,919.69
Distribution system—underground . . . . .					442.55
Line transformers . . . . .	8,001.79	4,420.62	2,495.04	925.32	18,462.13
Meters . . . . .	7,006.05	2,489.61	3,262.71	900.39	13,099.21
Street light equipment, regular . . . . .	1,298.49	535.73	435.74		1,655.38
Street light equipment, ornamental . . . . .					7,205.06
Miscellaneous construction expense . . . . .	1,127.81	69.45	379.90	375.03	1,140.90
Steam or hydraulic plant . . . . .					
Old plant . . . . .		429.25			
Total plant . . . . .	37,461.73	18,507.70	18,026.38	4,799.07	81,924.92
Bank and cash balance . . . . .	552.87	235.02		1,634.15	3,963.78
Securities and investments . . . . .	10,500.00	2,500.00			20,000.00
Accounts receivable . . . . .	37.63	70.81	185.39	111.73	1,156.93
Inventories . . . . .	273.39				
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	38,261.88	11,612.12	6,666.83	1,686.78	32,301.24
Other assets . . . . .	148.20				
Total assets . . . . .	87,235.70	32,925.65	24,878.60	8,231.73	139,346.87
Deficit . . . . .					
Total . . . . .	87,235.70	32,925.65	24,878.60	8,231.73	139,346.87
LIABILITIES					
Debenture balance . . . . .			1,130.88	1,192.27	14,114.35
Accounts payable . . . . .		456.74	227.96	78.85	115.51
Bank overdraft . . . . .			75.38		
Other liabilities . . . . .	141.25		50.00		7,837.26
Total liabilities . . . . .	141.25	456.74	1,484.22	1,271.12	22,067.12
RESERVES					
For equity in H-E.P.C. systems . . . . .	38,261.88	11,612.12	6,666.83	1,686.78	32,301.24
For depreciation . . . . .	17,841.96	6,494.94	4,966.42	775.53	24,871.35
Other reserves . . . . .		32.23	73.02		524.74
Total reserves . . . . .	56,103.84	18,139.29	11,706.27	2,462.31	57,697.33
SURPLUS					
Debentures paid . . . . .	13,000.00	7,500.00	5,752.25	2,107.73	8,385.65
Local sinking fund . . . . .					
Operating surplus . . . . .	17,990.61	6,829.62	5,935.86	2,390.57	51,196.77
Total surplus . . . . .	30,990.61	14,329.62	11,688.11	4,498.30	59,582.42
Total liabilities, reserves and surplus . . . . .	87,235.70	32,925.65	24,878.60	8,231.73	139,346.87
Percentage of net debt to total assets . . . . .	0.3	2.1	8.1	19.4	14.9

\*Summer Population 1,031.

†Summer Population 321.

“A”—Continued

Hydro Municipalities as at December 31, 1941

Etobicoke Twp.	Exeter 1,654	Fergus 2,759	Fonthill 860	Forest 1,562	Forest Hill 12,172	Galt 14,584
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
34,294.67	3,335.73			6,517.57	33,312.27	202,082.05
					80,767.90	143,168.03
330,782.33	32,758.97	35,467.10	12,538.01	23,333.91	193,239.98	272,759.13
					2,169.95	3,381.92
107,742.71	12,782.95	21,930.06	6,090.42	12,429.13	108,585.46	130,912.65
82,506.36	9,619.98	14,823.50	5,387.49	11,488.49	63,420.81	83,414.90
15,754.66	4,902.87	6,126.75	1,801.02	2,663.94	9,477.67	72,411.97
2,689.44					16,795.63	
19,205.18	2,509.35	681.27	288.45	1,693.69	20,251.32	23,720.98
		2,546.59	3,500.00	11,042.87		
592,975.35	65,909.85	81,575.27	29,605.39	69,169.60	528,020.99	931,851.63
2,704.49	2,168.25	3,190.61	2,506.22	1,029.27	14,475.49	275.00
	14,500.00	3,000.00		14,510.00	6,000.00	62,000.00
19,905.32	1,688.73	1,108.45	77.55	1,519.26	1,335.59	49,865.64
12,470.08	1,728.93	145.97		3,159.87		36,607.96
225,644.35	43,357.74	64,674.58	6,552.41	34,359.76	173,420.65	562,417.37
191.58	0.06	171.67			280.38	
853,891.17	129,353.56	153,866.55	38,741.57	123,747.76	723,533.10	1,643,017.60
853,891.17	129,353.56	153,866.55	38,741.57	123,747.76	723,533.10	1,643,017.60
79,869.80		7,857.56	7,146.69	2,540.72	286,042.68	19,676.13
45,339.20	361.86	559.05	412.89	180.95	2,923.35	30,226.57
8,368.84						30,961.56
11,148.30	351.50	349.25	384.30	141.76	29,857.51	3,355.44
144,726.14	713.36	8,765.86	7,943.88	2,863.43	318,823.54	84,219.70
225,644.35	43,357.74	64,674.58	6,552.41	34,359.76	173,420.65	562,417.37
132,539.69	19,411.83	15,186.24	3,993.90	20,936.06	107,034.30	357,760.42
7,795.77	534.61	281.20		117.92	750.00	27,920.41
365,979.81	63,304.18	80,142.02	10,546.31	55,413.74	281,204.95	948,098.20
185,825.60	20,000.05	34,142.44	15,353.31	31,859.28	76,738.92	498,325.82
157,359.62	45,335.97	30,816.23	4,898.07	33,611.31	46,765.69	112,373.88
343,185.22	65,336.02	64,958.67	20,251.38	65,470.59	123,504.61	610,699.70
853,891.17	129,353.56	153,866.55	38,741.57	123,747.76	723,533.10	1,643,017.60
22.7	0.8	9.8	24.7	3.2	56.6	7.8



# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality . . . . .	George- town 2,452	Glencoe 763	Goderich 4,674	Granton P.V.	Guelph 22,500
Population . . . . .					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	3,370.88	3,407.70	13,569.89		14,049.42
Substation equipment . . . . .			34,402.48		164,470.40
Distribution system—overhead . . . . .	37,143.16	22,888.54	72,886.99	4,479.92	246,785.23
Distribution system—underground . . . . .					27,689.74
Line transformers . . . . .	26,081.47	7,511.85	22,998.93	1,696.30	117,500.28
Meters . . . . .	16,042.58	4,741.44	22,352.21	1,654.60	112,905.17
Street light equipment, regular . . . . .	4,570.34	2,106.42	9,159.76	180.78	45,009.49
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	2,486.56	3,479.13	6,877.47	113.08	13,381.81
Steam or hydraulic plant . . . . .					
Old plant . . . . .	2,209.80		14,622.15		
Total plant . . . . .	91,904.79	44,135.08	196,869.88	8,124.68	741,791.54
Bank and cash balance . . . . .	1,939.30	2,162.14	9,234.68	305.82	11,176.67
Securities and investments . . . . .	11,857.69	7,000.00	31,500.00	4,200.00	20,000.00
Accounts receivable . . . . .	768.09	645.71	924.80	32.65	8,614.73
Inventories . . . . .		342.88	1,695.23		21,648.34
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	106,972.38	21,086.56	127,320.47	8,344.80	686,018.14
Other assets . . . . .		13.22			37.44
Total assets . . . . .	213,442.25	75,385.59	367,545.06	21,007.95	1,489,286.86
Deficit . . . . .					
Total . . . . .	213,442.25	75,385.59	367,545.06	21,007.95	1,489,286.86
LIABILITIES					
Debenture balance . . . . .	2,663.85		27,581.83	881.59	
Accounts payable . . . . .	315.20	81.30	743.35	332.83	31,181.59
Bank overdraft . . . . .					
Other liabilities . . . . .	1,808.66	121.59	3,125.32		2,823.95
Total liabilities . . . . .	4,787.71	202.89	31,450.50	1,214.42	34,005.54
RESERVES					
For equity in H-E.P.C. systems . . . . .	106,972.38	21,086.56	127,320.47	8,344.80	686,018.14
For depreciation . . . . .	22,707.88	14,818.70	98,372.60	3,831.31	159,392.64
Other reserves . . . . .		355.34	888.67	60.00	1,126.70
Total reserves . . . . .	129,680.26	36,260.60	226,581.74	12,236.11	846,537.48
SURPLUS					
Debentures paid . . . . .	17,336.15	20,112.88	68,506.22	2,618.41	145,000.00
Local sinking fund . . . . .					
Operating surplus . . . . .	61,638.13	18,809.22	41,006.60	4,939.01	463,743.84
Total surplus . . . . .	78,974.28	38,922.10	109,512.82	7,557.42	608,743.84
Total liabilities, reserves and surplus . . . . .	213,442.25	75,385.59	367,545.06	21,007.95	1,489,286.86
Percentage of net debt to total assets . . . . .	4.5	0.4	13.1	9.6	4.2

“A”—Continued

Hydro Municipalities as at December 31, 1941

Hagersville 1,369	Hamilton 155,511	Harriston 1,292	Harrow 1,092	Hensall 686	Hespeler 3,037
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
864.37	963,689.29	395.25	2,318.16		4,684.43
21,646.91	2,158,035.00	600.00			39,962.26
	1,287,734.71	22,998.68	19,992.46	12,645.26	32,243.30
	800,608.93				
11,762.60	931,616.09	8,463.85	11,031.57	6,811.35	27,790.41
9,881.64	794,479.36	9,563.60	8,020.87	4,050.80	14,221.94
1,135.27	286,490.04	1,332.00	943.46	612.83	8,160.72
1,013.92	125,503.90	970.57	1,050.77	649.33	1,445.43
		1,001.43		400.00	
46,304.71	7,348,157.32	45,325.38	43,357.29	25,169.57	128,508.49
3,469.38	127,892.95	806.49	1,289.34		5,236.38
21,000.00		7,500.00	500.00	8,500.00	10,000.00
153.50	414,569.08	161.06	465.65	198.40	987.17
12.81	202,783.97	131.23	262.67		511.17
	38,048.61				
78,997.55	4,927,615.12	34,949.35	25,836.86	17,037.50	118,619.86
14.12	89,845.55	364.12			1,328.31
149,952.07	13,148,912.60	89,237.63	71,711.81	50,905.47	265,191.38
149,952.07	13,148,912.60	89,237.63	71,711.81	50,905.47	265,191.38
725.74	1,081,000.00	4,254.80		2,937.25	16,621.30
251.38	329,678.56		752.48	224.34	480.88
				300.04	
530.00	*633,920.02	125.82	495.00	58.00	15.00
1,507.12	2,044,598.58	4,380.62	1,247.48	3,519.63	17,117.18
78,997.55	4,927,615.12	34,949.35	25,836.86	17,037.50	118,619.86
15,036.75	1,450,758.55	12,678.06	9,282.13	10,583.49	26,182.19
	764,928.32		136.30		203.73
94,034.30	7,143,301.99	47,627.41	35,255.29	27,620.99	145,005.78
7,274.26	2,979,275.19	21,563.23	12,000.00	9,062.75	60,949.21
	38,048.61				
47,136.39	943,688.23	15,666.37	23,209.04	10,702.10	42,119.21
54,410.65	3,961,012.03	37,229.60	35,209.04	19,764.85	103,058.42
149,952.07	13,148,912.60	89,237.63	71,711.81	50,905.47	265,191.38
2.1	24.5	8.1	2.7	10.4	11.7

\*\$100,000 balance re purchase agreement.

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Highgate	Humber- stone	Ingersoll	Jarvis	Kings- ville
Population . . . . .	322	2,831	5,756	536	2,453
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .			15,149.95		8,592.27
Substation equipment . . . . .			51,589.37		
Distribution system—overhead . . . . .	8,693.72	24,139.23	59,185.22	10,011.40	34,774.51
Distribution system—underground . . . . .					
Line transformers . . . . .	2,109.25	13,475.58	36,863.55	3,151.56	16,840.18
Meters . . . . .	1,863.97	10,308.84	29,743.51	3,036.55	15,895.59
Street light equipment, regular . . . . .	453.91	943.79	4,988.75	929.54	1,470.29
Street light equipment, ornamental . . . . .			4,597.59		19,200.00
Miscellaneous construction expense . . . . .	491.60	3,506.72	10,212.66	615.67	703.62
Steam or hydraulic plant . . . . .					
Old plant . . . . .			19,098.54		
Total plant . . . . .	13,612.45	52,374.16	231,429.14	17,744.72	97,476.46
Bank and cash balance . . . . .	363.77	1,890.63	7,990.38	1,351.85	2,869.34
Securities and investments . . . . .	3,500.00	18,000.00	9,337.43	9,000.00	20,500.00
Accounts receivable . . . . .	53.36	273.80	1,405.80	37.71	280.92
Inventories . . . . .			1,617.84		117.18
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	10,017.88	21,886.02	189,955.48	15,550.38	42,227.98
Other assets . . . . .			2,220.17	36.50	
Total assets . . . . .	27,547.46	94,424.61	443,956.24	43,721.16	163,471.88
Deficit . . . . .					
Total . . . . .	27,547.46	94,424.61	443,956.24	43,721.16	163,471.88
<b>LIABILITIES</b>					
Debenture balance . . . . .		6,000.00		1,622.24	21,545.15
Accounts payable . . . . .		7.88	26,361.48	23.31	
Bank overdraft . . . . .					
Other liabilities . . . . .	70.00	1,864.12	6,644.33		22,177.36
Total liabilities . . . . .	70.00	7,872.00	33,005.81	1,645.55	43,722.51
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	10,017.88	21,886.02	189,955.48	15,550.38	42,227.98
For depreciation . . . . .	6,295.58	6,767.03	23,356.40	5,879.99	29,372.79
Other reserves . . . . .			636.64		377.90
Total reserves . . . . .	16,313.46	28,653.05	213,948.52	21,430.37	71,978.67
<b>SURPLUS</b>					
Debentures paid . . . . .	5,000.00	26,000.00	79,800.00	8,877.76	11,954.85
Local sinking fund . . . . .					
Operating surplus . . . . .	6,164.00	31,899.56	117,201.91	11,767.48	35,815.85
Total surplus . . . . .	11,164.00	57,899.56	197,001.91	20,645.24	47,770.70
Total liabilities, reserves and surplus . . . . .	27,547.46	94,424.61	443,956.24	43,721.16	163,471.88
Percentage of net debt to total assets . . . . .	0.4	10.9	1.5	5.8	24.0



## “A”—Continued

## Hydro Municipalities as at December 31, 1941

Kitchener 33,281	Lambeth P.V.	La Salle 907	Leamington 6,048	Listowel 2,984	London 75,176
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
245,958.43		1,210.68	18,580.07	1,459.49	457,446.15
419,493.60			7,101.97		1,045,652.17
413,360.89	9,088.49	21,926.91	64,648.74	47,754.93	823,429.03
61,246.09			17,209.04	5,522.87	390,711.88
226,970.70	1,883.12	6,775.22	26,831.18	23,567.43	403,746.57
234,286.56	2,751.69	5,006.49	29,488.53	18,513.24	394,813.96
74,941.12	1,052.75	1,054.22	1,499.75	3,151.12	72,936.16
126,922.86			15,178.49	1,539.79	92,286.12
15,847.99	315.71	1,966.78	2,459.17	2,638.33	156,190.42
52,363.91				4,745.30	
1,871,392.15	15,091.76	37,940.30	182,996.94	108,892.50	3,837,212.46
35,065.28	47.65	2,625.68	1,920.96	1,741.86	18,966.64
50,000.00	2,000.00	3,000.00	34,500.00	11,000.00	100,000.00
77,242.78	465.05	243.26	582.01	733.46	243,841.49
28,651.19		33.45		248.85	80,936.91
1,341,970.74	10,045.55	14,538.61	89,740.38	79,814.76	523,372.18
1,353.68			345.44	13.05	1,818.11
3,405,675.82	27,650.01	58,381.30	310,085.73	202,444.48	7,331,280.15
3,405,675.82	27,650.01	58,381.30	310,085.73	202,444.48	7,331,280.15
252,222.16		4,682.61			447,757.78
76,814.28	50.68	203.50	920.73	0.41	41,821.81
128,327.98	160.00	888.82	18,458.65	1,985.86	99,045.62
457,364.42	210.68	5,774.93	19,379.38	1,986.27	588,625.21
1,341,970.74	10,045.55	14,538.61	89,740.38	79,814.76	2,525,132.36
484,989.59	5,932.30	12,647.84	43,291.41	47,825.59	1,479,040.62
7,445.48	42.08	207.00	198.49		106,112.24
1,834,405.81	16,019.93	27,393.45	133,230.28	127,640.35	4,110,285.22
484,927.84	4,000.00	10,817.39	48,000.00	43,189.89	1,134,142.22
628,977.75	7,419.40	14,395.53	109,476.07	29,627.97	523,372.18
1,113,905.59	11,419.40	25,212.92	157,476.07	72,817.86	974,855.32
3,405,675.82	27,650.01	58,381.30	310,085.73	202,444.48	2,632,369.72
11.1	1.2	13.2	2.0	0.4	7,331,280.15
					0.0

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	London Twp.	Long Branch 5,147	Lucan 643	Lynden P.V.	Markham 1,197
Population.....					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....			375.45	241.18	
Substation equipment.....					
Distribution system—overhead.....	23,232.63	60,914.51	11,624.84	4,869.69	19,354.48
Distribution system—underground.....					
Line transformers.....	8,493.01	17,411.95	4,152.16	3,136.23	10,093.35
Meters.....	6,408.06	21,897.54	4,013.48	2,223.24	7,298.12
Street light equipment, regular.....	1,692.66	5,371.96	4,549.30	354.06	833.91
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	1,733.81	2,692.55	918.28	243.57	1,305.71
Steam or hydraulic plant.....					
Old plant.....	1,733.80		2,860.45		
Total plant.....	43,293.97	108,288.51	28,493.96	11,067.97	38,885.57
Bank and cash balance.....		1,522.80	10.00	862.46	435.19
Securities and investments.....			6,000.00	1,000.00	9,000.00
Accounts receivable.....	501.66	10,861.92	39.10	38.24	187.36
Inventories.....					
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	21,115.02	26,786.08	18,970.90	13,510.90	19,706.42
Other assets.....	509.31				118.39
Total assets.....	65,419.96	147,459.31	53,513.96	26,479.57	68,332.93
Deficit.....					
Total.....	65,419.96	147,459.31	53,513.96	26,479.57	68,332.93
LIABILITIES					
Debenture balance.....	2,733.48	8,445.96	1,729.93	1,084.41	
Accounts payable.....	216.69	3,060.31	129.27	23.10	
Bank overdraft.....	922.92		699.29		
Other liabilities.....	3,509.31	3,009.28	155.00		281.00
Total liabilities.....	7,382.40	14,515.55	2,713.49	1,107.51	281.00
RESERVES					
For equity in H-E.P.C. systems.....	21,115.02	26,786.08	18,970.90	13,510.90	19,706.42
For depreciation.....	11,124.63	24,166.13	8,394.04	3,763.43	8,281.78
Other reserves.....	3.82	343.40			117.26
Total reserves.....	32,243.47	51,295.61	27,364.94	17,274.33	28,105.46
SURPLUS					
Debentures paid.....	16,266.52	31,858.64	9,483.69	3,410.59	11,373.63
Local sinking fund.....					
Operating surplus.....	9,527.57	49,789.51	13,951.84	4,687.14	28,572.84
Total surplus.....	25,794.09	81,648.15	23,435.53	8,097.73	39,946.47
Total liabilities, reserves and surplus.....	65,419.96	147,459.31	53,513.96	26,479.57	68,332.93
Percentage of net debt to total assets.....	16.7	12.0	7.9	8.5	0.6

“A”—Continued

Hydro Municipalities as at December 31, 1941

Merlin P.V.	Merritton 2,916	Milton 1,915	Milverton 994	Mimico 7,194	Mitchell 1,670	Moorefield P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	6,764.41	13,824.55	761.88	20,455.40	18,438.97	.....
.....	84,998.26	16,418.16	.....	40,791.96	16,616.28	.....
8,903.06	42,100.17	23,462.98	12,700.06	81,369.66	33,048.01	3,132.90
.....	.....	.....	.....	.....	.....	.....
3,631.86	12,860.16	16,595.97	8,101.30	41,151.36	14,904.31	1,211.63
2,616.30	16,618.26	15,111.33	5,299.58	32,995.63	13,159.02	1,368.73
570.46	4,909.52	5,416.33	788.75	10,167.55	7,132.20	295.88
.....	.....	.....	.....	.....	.....	.....
481.72	3,133.09	3,778.91	604.79	9,866.38	2,003.49	355.00
.....	.....	.....	.....	.....	.....	.....
241.85	.....	3,092.54	.....	.....	1,380.00	.....
.....	.....	.....	.....	.....	.....	.....
16,445.25	171,383.87	97,700.77	28,256.36	236,797.94	106,682.28	6,364.14
.....	.....	.....	.....	.....	.....	.....
1,195.36	17,145.35	2,048.56	864.39	15,154.32	833.08	1,342.99
9,000.00	5,000.00	5,000.00	5,500.00	14,000.00	7,450.00	2,000.00
11.94	259.20	644.56	343.74	1,132.07	9,050.75	11.88
.....	.....	3,748.76	.....	.....	6,134.27	.....
.....	.....	.....	.....	.....	.....	.....
12,002.59	157,654.06	103,199.27	43,857.36	145,326.44	45,458.13	6,336.97
.....	.....	7.98	.....	268.70	.....	.....
.....	.....	.....	.....	.....	.....	.....
38,655.14	351,442.48	212,349.90	78,821.85	412,679.47	175,608.51	16,055.98
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
38,655.14	351,442.48	212,349.90	78,821.85	412,679.47	175,608.51	16,055.98
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
699.53	4,641.88	1,133.15	.....	32,436.65	.....	.....
171.42	2,224.61	342.21	355.80	5.00	203.56	23.98
.....	.....	.....	.....	.....	.....	.....
80.00	.....	589.12	.....	7,288.44	293.00	.....
.....	.....	.....	.....	.....	.....	.....
950.95	6,866.49	2,064.48	355.80	39,730.09	496.56	23.98
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
12,002.59	157,654.06	103,199.27	43,857.36	145,326.44	45,458.13	6,336.97
4,864.36	26,327.19	24,820.49	8,019.98	75,431.59	42,825.70	3,630.93
23.40	.....	197.89	.....	830.96	2,505.59	.....
.....	.....	.....	.....	.....	.....	.....
16,890.35	183,981.25	128,217.65	51,877.34	221,588.99	90,789.42	9,967.90
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
12,664.68	27,544.33	31,913.26	9,500.00	94,563.35	22,295.22	4,500.00
.....	.....	.....	.....	.....	.....	.....
8,149.16	133,050.41	50,154.51	17,088.71	56,797.04	62,027.31	1,564.10
.....	.....	.....	.....	.....	.....	.....
20,813.84	160,594.74	82,067.77	26,588.71	151,360.39	84,322.53	6,064.10
.....	.....	.....	.....	.....	.....	.....
38,655.14	351,442.48	212,349.90	78,821.85	412,679.47	175,608.51	16,055.98
.....	.....	.....	.....	.....	.....	.....
3.6	3.5	1.9	1.0	14.9	0.4	0.2



## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Mount Brydges P.V.	Newbury 288	New Hamburg 1,441	New Toronto 7,514	Niagara Falls 18,770
Population.....					
ASSETS	\$ c	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....			2,513.19	44,924.94	131,722.10
Substation equipment.....			1,217.05		241,830.78
Distribution system—overhead....	7,687.41	6,945.58	25,083.15	96,135.60	206,307.12
Distribution system—underground				8,925.63	
Line transformers.....	1,845.43	1,768.11	9,871.11	44,748.52	187,857.89
Meters.....	2,788.12	1,406.91	10,135.06	41,322.24	122,161.95
Street light equipment, regular....	1,385.36	881.47	2,248.20	14,721.65	120,246.39
Street light equipment, ornamental					
Miscellaneous construction expense	138.88	623.93	595.92	8,265.57	27,037.71
Steam or hydraulic plant.....					1,200.00
Old plant.....		348.22	5,242.56		
Total plant.....	13,845.20	11,974.22	56,906.24	259,044.15	1,038,363.94
Bank and cash balance.....	1,744.78	1,447.55	659.34	25,268.73	68,277.30
Securities and investments.....	8,000.00	1,500.00	9,000.00	32,000.00	90,000.00
Accounts receivable.....	1,034.54	751.44	405.19	2,277.13	8,200.64
Inventories.....			640.29	5,268.56	10,616.29
Sinking fund on local debentures.					
Equity in H-E.P.C. systems.....	7,858.41	4,624.01	50,345.75	456,630.38	582,348.01
Other assets.....		79.57	15.15		26.17
Total assets.....	32,482.93	20,376.79	117,971.96	780,488.95	1,797,832.35
Deficit.....					
Total.....	32,482.93	20,376.79	117,971.96	780,488.95	1,797,832.35
LIABILITIES					
Debenture balance.....	783.39			967.65	105,102.74
Accounts payable.....	622.16	20.93	926.38	707.58	4,824.64
Bank overdraft.....					
Other liabilities.....	161.95	30.00	245.00	7,488.56	17,893.56
Total liabilities.....	1,567.50	50.93	1,171.38	9,163.79	127,820.94
RESERVES					
For equity in H-E.P.C. systems....	7,858.41	4,624.01	50,345.75	456,630.38	582,348.01
For depreciation.....	4,840.30	4,952.91	18,380.81	74,409.14	303,404.84
Other reserves.....	97.38		33.83	1,431.92	13,835.51
Total reserves.....	12,796.09	9,576.92	68,760.39	532,471.44	899,588.36
SURPLUS					
Debentures paid.....	3,436.61	9,754.39	17,729.08	7,032.35	585,140.26
Local sinking fund.....					
Operating surplus.....	14,682.73	994.55	30,311.11	231,821.37	185,282.79
Total surplus.....	18,119.34	10,748.94	48,040.19	238,853.72	770,423.05
Total liabilities, reserves and surplus.	32,482.93	20,376.79	117,971.96	780,488.95	1,797,832.35
Percentage of net debt to total assets	6.4	0.3	17.3	2.8	10.5

“A”—Continued

Hydro Municipalities as at December 31, 1941

Niagara-on-the-Lake 1,764	North York Twp.	Norwich 1,301	Oil Springs 541	Otterville P.V.	Palmerston 1,400	Paris 4,427
\$ c. 2,307.35 17,134.92 35,977.81	\$ c. 28,797.82 485,549.87	\$ c. 4,660.42 12,076.99	\$ c. 6,299.16 14,906.26	\$ c. 8,697.38	\$ c. 1,346.28 33,260.03	\$ c. 8,781.50 28,131.05 56,640.26
17,188.86 11,574.23 3,538.76 21,090.84 2,805.67	144,703.62 96,557.18 156.00 21,090.84 27,923.24	7,658.58 8,395.01 4,685.64 1,575.05	6,308.23 4,034.38 308.24 1,722.36	4,428.89 3,375.97 1,684.17 142.00	11,359.59 8,480.95 6,818.19 929.76	25,652.29 21,681.48 14,084.12 3,149.25
		3,509.82			4,018.71	
90,527.60 2,463.39 2,770.87 6,369.20 31,866.13 309.83	804,778.57 13,259.88 13,026.67 360.96 151,226.34	42,561.51 533.21 7,000.00 2,493.19 3,136.76 37,370.83	33,578.63 1,320.99 2,000.00 81.88 141.31 25,333.44	18,328.41 1,276.27 2,480.00 1,059.77 9,033.30	66,213.51 602.07 1,500.00 784.27 2,051.24 43,946.64 2,719.53	158,119.95 9,984.58 33,500.00 1,366.11 132.71 114,501.88 22.95
134,307.02	982,652.42	93,095.50	62,456.25	32,177.75	117,817.26	317,628.18
134,307.02	982,652.42	93,095.50	62,456.25	32,177.75	117,817.26	317,628.18
11,560.34 4,792.19 298.20	288,028.86 8,716.67 33,059.40	356.61 117.30 292.50	402.90 46.30	702.55 61.38	426.09 561.42 337.93	2,317.48 27.97
16,650.73	329,804.93	766.41	449.20	763.93	1,325.44	2,345.45
31,866.13 19,860.67 898.74	151,226.34 146,133.17 2,369.24	37,370.83 10,335.62 583.33	25,333.44 10,389.66 90.03	9,033.30 6,967.18	43,946.64 11,882.70 420.07	114,501.88 84,235.93 76.47
52,625.54	299,728.75	48,289.78	35,813.13	16,000.48	56,249.41	198,814.28
24,941.08 40,089.67	239,993.01 113,125.73	13,399.39 30,639.92	16,721.31 9,472.61	4,500.00 10,913.34	26,573.91 33,668.50	89,682.52 26,785.93
65,030.75	353,118.74	44,039.31	26,193.92	15,413.34	60,242.41	116,468.45
134,307.02	982,652.42	93,095.50	62,456.25	32,177.75	117,817.26	317,628.18
16.3	38.1	1.4	1.2	3.3	1.8	1.2

## STATEMENT

## Balance Sheets of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality . . . . .	Parkhill	Petrolia	Plattsville	Point Edward	Port Colborne
Population . . . . .	1,029	2,772	P.V.	1,175	6,772
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings . . . . .		900.00			29,470.68
Substation equipment . . . . .		5,956.75			
Distribution system—overhead . . . . .	18,033.52	51,378.46	4,908.02	22,252.95	99,549.33
Distribution system—underground . . . . .					
Line transformers . . . . .	6,431.54	33,442.33	2,400.32	7,633.43	32,339.91
Meters . . . . .	4,933.62	17,469.43	2,540.27	6,286.08	27,230.30
Street light equipment, regular . . . . .	1,027.53	6,647.48	158.29	3,252.88	5,030.76
Street light equipment, ornamental . . . . .					16,611.59
Miscellaneous construction expense . . . . .	1,690.40	6,044.95	616.11	963.34	6,935.76
Steam or hydraulic plant . . . . .					
Old plant . . . . .		3,389.94			9,929.60
Total plant . . . . .	32,166.61	125,229.34	10,523.01	40,388.68	227,097.93
Bank and cash balance . . . . .		3,291.00	838.17	794.30	8,000.37
Securities and investments . . . . .	5,500.00	15,900.00	4,000.00	14,000.00	30,000.00
Accounts receivable . . . . .	556.43	2,253.77	20.54	811.37	19,565.63
Inventories . . . . .		533.11		1,115.95	6,949.63
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	19,407.00	103,674.76	9,255.14	60,672.83	99,465.26
Other assets . . . . .					
Total assets . . . . .	57,630.04	250,881.98	24,736.86	117,783.13	391,078.82
Deficit . . . . .					
Total . . . . .	57,630.04	250,881.98	24,736.86	117,783.13	391,078.82
<b>LIABILITIES</b>					
Debenture balance . . . . .	396.60	8,441.00	928.10	2,330.64	31,271.72
Accounts payable . . . . .	1,186.92	357.18	23.31	596.42	275.22
Bank overdraft . . . . .	316.66				
Other liabilities . . . . .	105.00	1,039.56		441.92	20,035.02
Total liabilities . . . . .	2,005.18	9,837.74	951.41	3,368.98	51,581.96
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	19,407.00	103,674.76	9,255.14	60,672.83	99,465.26
For depreciation . . . . .	9,408.18	43,855.44	4,216.40	16,554.82	63,625.09
Other reserves . . . . .		289.12		119.45	3,614.88
Total reserves . . . . .	28,815.18	147,819.32	13,471.54	77,347.10	166,705.23
<b>SURPLUS</b>					
Debentures paid . . . . .	14,233.42	41,559.00	4,308.90	14,669.36	114,728.28
Local sinking fund . . . . .					
Operating surplus . . . . .	12,576.26	51,665.92	6,005.01	22,397.69	58,063.35
Total surplus . . . . .	26,809.68	93,224.92	10,313.91	37,067.05	172,791.63
Total liabilities, reserves and surplus . . . . .	57,630.04	250,881.98	24,736.86	117,783.13	391,078.82
Percentage of net debt to total assets . . . . .	5.3	6.7	6.1	5.9	12.7



“A”—Continued

Hydro Municipalities as at December 31, 1941

Port Credit 1,906	Port Dalhousie 1,599	Port Dover 1,790	Port Rowan 700	Port Stanley 1,268	Preston 6,337	Princeton P.V.
\$ c. 675.00	\$ c.	\$ c. 248.75	\$ c.	\$ c. 1,574.60	\$ c.	\$ c.
35,143.71	22,786.93	35,939.94	10,313.03	27,358.66	57,024.08 90,418.36	4,447.86
13,945.85	14,016.57	13,656.32	1,883.34	13,698.19	55,746.21	2,975.16
13,316.62	12,753.28	10,352.91	2,594.10	12,124.33	41,769.15	1,488.24
5,180.06	1,041.19	2,767.73	893.23	2,145.89	5,592.76	207.93
2,184.41	2,720.76	3,672.34	743.11	7,930.16	8,491.75	101.73
	6,018.38			577.51	32,126.75	
70,445.65	59,337.11	66,637.99	16,426.81	65,409.34	291,169.06	9,220.92
3,626.67	1,464.42	1,934.85	1,307.11	789.51	7,389.66	792.62
	3,000.00	2,000.00	5,000.00	10,000.00	15,000.00	4,000.00
1,522.15	1,691.67	1,860.80	18.47	142.35	13,876.14	504.09
		50.58		14.00	6,561.51	
41,399.17	36,643.47	26,309.63 20.00	6,915.77	41,169.42	263,600.09 524.72	9,495.07
116,993.64	102,136.67	98,813.85	29,668.16	117,524.62	598,121.18	24,012.70
116,993.64	102,136.67	98,813.85	29,668.16	117,524.62	598,121.18	24,012.70
2,785.87	411.29		4,715.86		16,814.46	629.02
2,827.60	385.35	149.79		477.98	9,107.91	165.09
981.20	955.00	824.00	205.00	386.69	1,044.44	25.00
6,594.67	1,751.64	973.79	4,920.86	864.67	26,966.81	819.11
41,399.17	36,643.47	26,309.63	6,915.77	41,169.42	263,600.09	9,495.07
22,025.85	9,637.76	16,519.51	4,575.37	17,265.73	143,872.92	2,799.80
505.75	200.00			75.23	552.83	
63,930.77	46,481.23	42,829.14	11,491.14	58,510.38	408,025.84	12,294.87
11,714.13	22,088.71	29,000.00	6,284.14	18,950.00	135,985.54	2,920.98
34,754.07	31,815.09	26,010.92	6,972.02	39,199.57	27,142.99	7,977.74
46,468.20	53,903.80	55,010.92	13,256.16	58,149.57	163,128.53	10,898.72
116,993.64	102,136.67	98,813.85	29,668.16	117,524.62	598,121.18	24,012.70
8.7	2.7	1.3	21.6	1.1	8.1	5.6

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality . . . . .	Queenston	Richmond Hill	Ridge- town	Riverside	Rockwood
Population . . . . .	P. V.	1,317	1,986	5,235	P. V.
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
<b>ASSETS</b>					
Lands and buildings . . . . .			3,171.88	8,962.98	79.00
Substation equipment . . . . .		600.00	1,024.24		
Distribution system—overhead . . . . .	8,611.98	11,897.70	24,146.02	94,193.09	9,056.18
Distribution system—underground . . . . .					
Line transformers . . . . .	3,281.64	11,154.98	12,534.81	31,724.00	3,490.91
Meters . . . . .	1,863.98	6,891.76	10,496.36	27,699.45	3,434.79
Street light equipment, regular . . . . .	435.63	1,334.77	6,709.88		731.82
Street light equipment, ornamental . . . . .			1,431.73	19,163.24	
Miscellaneous construction expense . . . . .	2,610.16	965.63	1,131.27	6,964.75	528.96
Steam or hydraulic plant . . . . .					
Old plant . . . . .			5,088.46		
Total plant . . . . .	16,803.39	32,844.84	65,734.65	188,707.51	17,321.66
Bank and cash balance . . . . .	1,803.47	1,039.04	677.52	100.00	542.42
Securities and investments . . . . .	1,000.00	1,500.00	7,000.00	18,000.00	1,300.00
Accounts receivable . . . . .	127.38	369.68	1,206.08	11,339.27	33.47
Inventories . . . . .		99.01	373.20	953.50	186.94
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	7,041.01	19,995.85	43,262.80	82,931.61	11,441.19
Other assets . . . . .					53.65
Total assets . . . . .	26,775.25	55,848.42	118,254.25	302,031.89	30,879.33
Deficit . . . . .					
Total . . . . .	26,775.25	55,848.42	118,254.25	302,031.89	30,879.33
<b>LIABILITIES</b>					
Debenture balance . . . . .	778.42	605.24	2,643.40	14,437.50	1,549.03
Accounts payable . . . . .	14.97	505.07	1,924.40	3,948.85	44.82
Bank overdraft . . . . .				519.35	
Other liabilities . . . . .	70.00	541.09	2,258.21	21,560.03	106.00
Total liabilities . . . . .	863.39	1,651.40	6,826.01	40,465.73	1,699.85
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	7,041.01	19,995.85	43,262.80	82,931.61	11,441.19
For depreciation . . . . .	4,803.42	3,155.36	18,502.35	47,330.45	6,517.57
Other reserves . . . . .		69.37	270.63	3,838.39	
Total reserves . . . . .	11,844.43	23,220.58	62,035.78	134,100.45	17,958.76
<b>SURPLUS</b>					
Debentures paid . . . . .	8,721.58	11,594.76	16,812.59	68,062.50	2,950.97
Local sinking fund . . . . .					
Operating surplus . . . . .	5,345.85	19,381.68	32,579.87	59,403.21	8,269.75
Total surplus . . . . .	14,067.43	30,976.44	49,392.46	127,465.71	11,220.72
Total liabilities, reserves and surplus . . . . .	26,775.25	55,848.42	118,254.25	302,031.89	30,879.33
Percentage of net debt to total assets . . . . .	4.4	4.6	7.3	10.7	8.7

“A”—Continued

Hydro Municipalities as at December 31, 1941

Rodney 758	St. Catharines 28,625	St. Clair Beach †138	St. George P.V.	St. Jacobs P.V.	St. Marys 4,009
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	55,475.10				18,538.13
	150,594.96				32,059.00
12,346.23	271,839.69	8,828.86	6,096.08	7,492.46	64,376.41
3,729.82	188,178.53	3,062.85	4,038.89	4,461.56	26,531.91
3,923.71	130,876.51	1,958.87	3,513.85	3,616.38	26,767.22
3,533.02	22,095.62		337.24	396.19	6,618.04
	29,486.71				
937.37	31,654.48	162.07	374.18	545.66	9,701.03
700.00	*63,507.89				20,696.85
25,170.15	943,709.49	14,012.65	14,360.24	16,512.25	205,288.59
287.86	29,463.16	699.43	1,121.52		1,209.25
2,700.00		1,500.00	4,000.00	6,000.00	5,000.00
71.53	62,931.98	306.24	56.35	1.81	1,313.84
	15,942.15				850.76
	103,687.22				2,299.37
13,727.62	606,105.83	6,884.45	14,298.84	16,507.17	134,689.05
	160.16				11.91
41,957.16	1,761,999.99	23,402.77	33,836.95	39,021.23	350,662.77
41,957.16	1,761,999.99	23,402.77	33,836.95	39,021.23	350,662.77
	149,250.00		1,124.12		19,325.06
	59,491.24	291.88	1.38	1,226.38	449.67
				134.39	
270.00	29,899.21	112.18	181.24		759.00
270.00	238,640.45	404.06	1,306.74	1,360.77	20,533.73
13,727.62	606,105.83	6,884.45	14,298.84	16,507.17	134,689.05
3,748.30	252,291.44	4,854.74	3,495.05	3,261.23	72,567.41
70.04	9,901.77	49.50			660.52
17,545.96	868,299.04	11,788.69	17,793.89	19,768.40	207,916.98
8,500.00	152,772.91	6,341.45	4,875.88	6,000.00	94,921.96
	103,687.22				2,299.37
15,641.20	398,600.37	4,868.57	9,860.44	11,892.06	24,990.73
24,141.20	655,060.50	11,210.02	14,736.32	17,892.06	122,212.06
41,957.16	1,761,999.99	23,402.77	33,836.95	39,021.23	350,662.77
1.0	10.3	2.4	6.7	6.0	8.5

\*Includes \$46,000 other plants not distributed.

†Summer population 288.



## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	St. Thomas	Sarnia	Scarborough Twp.	Seaforth
Population . . . . .	16,461	17,979		1,782
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings . . . . .	78,729.06	119,220.75	20,054.77	1,836.39
Substation equipment . . . . .	131,439.58	225,722.39	14,934.92	6,055.81
Distribution system—overhead . . . . .	125,303.74	231,776.13	318,135.25	32,316.61
Distribution system—underground . . . . .	52,815.87			
Line transformers . . . . .	70,991.53	91,757.17	87,302.30	12,416.74
Meters . . . . .	78,415.33	84,715.44	80,973.51	10,180.57
Street light equipment, regular . . . . .	22,390.07	27,722.54	21,400.43	5,789.27
Street light equipment, ornamental . . . . .	3,693.04	8,271.83		
Miscellaneous construction expense . . . . .	16,911.82	23,781.32	6,950.86	1,559.37
Steam or hydraulic plant . . . . .				
Old plant . . . . .		55,445.72		
Total plant . . . . .	580,690.04	868,413.29	549,752.04	70,154.76
Bank and cash balance . . . . .	2,408.27	23,828.80	32,031.55	1,947.88
Securities and investments . . . . .	63,000.00	115,000.00	60,000.00	1,100.00
Accounts receivable . . . . .	19,005.39	22,297.78	14,257.60	1,320.79
Inventories . . . . .	10,868.68	22,977.65		1,812.66
Sinking fund on local debentures . . . . .				
Equity in H-E.P.C. systems . . . . .	501,254.59	630,494.15	190,289.32	62,103.34
Other assets . . . . .			50.51	
Total assets . . . . .	1,177,226.97	1,683,011.67	846,381.02	138,439.43
Deficit . . . . .				
Total . . . . .	1,177,226.97	1,683,011.67	846,381.02	138,439.43
<b>LIABILITIES</b>				
Debenture balance . . . . .		9,030.46	63,449.90	
Accounts payable . . . . .	6,049.62	17.00	13,568.87	159.66
Bank overdraft . . . . .				
Other liabilities . . . . .	16,281.46	16,391.62	40,012.96	370.84
Total liabilities . . . . .	22,331.08	25,439.08	117,031.73	530.50
<b>RESERVES</b>				
For equity in H-E.P.C. systems . . . . .	501,254.59	630,494.15	190,289.32	62,103.34
For depreciation . . . . .	192,250.08	232,294.08	149,651.06	25,812.33
Other reserves . . . . .	513.36	2,638.65	821.86	333.66
Total reserves . . . . .	694,018.03	865,426.88	340,762.24	88,249.33
<b>SURPLUS</b>				
Debentures paid . . . . .	138,944.07	328,969.54	227,118.37	25,000.00
Local sinking fund . . . . .				
Operating surplus . . . . .	321,933.79	463,176.17	161,468.68	24,659.60
Total surplus . . . . .	460,877.86	792,145.71	388,587.05	49,659.60
Total liabilities, reserves and surplus . . . . .	1,177,226.97	1,683,011.67	846,381.02	138,439.43
Percentage of net debt to total assets . . . . .	2.8	1.6	17.8	0.7

“A”—Continued

Hydro Municipalities as at December 31, 1941

Simcoe 6,340	Smithville P.V.	Springfield 382	Stamford Twp.	Stouffville 1,198	Stratford 17,163	Strathroy 2,834
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
10,701.89			7,572.14		141,455.78	8,856.05
41,527.90			38,143.09		176,323.28	23,640.34
58,742.16	10,889.94	10,160.87	154,557.59	14,011.05	158,637.48	50,779.39
1,412.24					22,971.15	
42,439.49	4,118.05	3,003.15	58,110.24	5,583.04	106,077.31	25,821.55
36,460.19	4,285.39	2,273.09	44,060.59	6,112.24	88,863.62	18,158.55
8,352.17	1,630.00	609.47	10,531.38	1,613.55	25,809.76	6,238.53
3,500.00						
7,416.40	277.98	685.08	13,568.97	611.81	36,295.91	2,910.35
927.92	1,878.98		13,743.66		31,520.00	12,343.15
211,480.36	23,080.34	16,731.66	340,287.66	27,931.69	787,954.29	148,747.91
13,531.47	4,398.78	65.11	5,640.58	1,890.23	22,974.84	2,388.51
35,000.00		2,500.00		13,000.00	90,000.00	23,000.00
956.55	236.67	806.01	21,178.30	39.96	18,079.22	2,044.56
4,389.54			9,626.50		14,449.98	3,230.79
					171,324.14	
108,569.15		9,306.02	98,893.39	16,892.38	607,011.67	89,618.15
			664.49		1,242.93	1,062.33
373,927.07	27,715.79	29,408.80	476,290.92	59,754.26	1,713,037.07	270,092.25
373,927.07	27,715.79	29,408.80	476,290.92	59,754.26	1,713,037.07	270,092.25
25,037.12	7,792.03	1,880.97	72,475.72		215,000.00	19,732.57
1,142.83	57.81	9.08	5,255.81	101.79	1,325.37	304.10
4,088.06	80.00		5,192.47	315.60	5,609.64	1,012.49
30,268.01	7,929.84	1,890.05	82,924.00	417.39	221,935.01	21,049.16
108,569.15		9,306.02	98,893.39	16,892.38	607,011.67	89,618.15
34,970.15	5,442.91	2,573.46	70,451.83	5,589.62	347,924.71	44,402.87
15,000.00			3,950.10	46.82	4,330.80	1,129.76
158,539.30	5,442.91	11,879.48	173,295.32	22,528.82	959,267.18	135,150.78
50,397.78	7,207.97	7,619.03	167,802.45	14,673.90	240,800.00	46,499.43
134,721.98	7,135.07	8,020.24	52,269.15	22,134.15	171,324.14	67,392.88
185,119.76	14,343.04	15,639.27	220,071.60	36,808.05	119,710.74	113,892.31
373,927.07	27,715.79	29,408.80	476,290.92	59,754.26	531,834.88	270,092.25
10.2	29.0	9.4	21.9	0.9	5.4	11.7

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Streets- ville 697	Sutton	Swansea	Tavistock	Tecumseh
Population . . . . .	697	949	6,606	1,080	2,237
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	8,483.49			3,640.33	1,232.16
Substation equipment . . . . .	1,172.04				
Distribution system—overhead . . . . .	9,530.32	21,002.17	78,587.84	13,804.14	37,317.74
Distribution system—underground . . . . .					
Line transformers . . . . .	7,109.91	8,489.81	50,864.83	10,040.17	11,242.92
Meters . . . . .	4,035.83	7,275.90	36,766.10	6,430.92	12,738.53
Street light equipment, regular . . . . .	1,619.31	1,932.90	10,681.49	1,102.93	
Street light equipment, ornamental . . . . .					4,760.95
Miscellaneous construction expense . . . . .	964.87	1,791.70	5,606.88	1,255.71	2,126.54
Steam or hydraulic plant . . . . .	10,641.55				
Old plant . . . . .		675.00			
Total plant . . . . .	43,557.32	41,167.48	182,507.14	36,274.20	69,418.84
Bank and cash balance . . . . .	1,376.39	3,729.47	4,730.66	273.68	2,377.11
Securities and investments . . . . .	1,500.00	4,000.00	12,500.00	4,000.00	3,000.00
Accounts receivable . . . . .	952.00	476.71	2,000.72	220.35	1,530.77
Inventories . . . . .			34.11	514.26	
Sinking fund on local debentures . . . . .					
Equity in H-E-P.C. systems . . . . .	1,974.54	16,616.33	79,690.89	45,803.78	26,220.69
Other assets . . . . .			60.00		
Total assets . . . . .	49,360.25	65,989.99	281,523.52	87,086.27	102,547.41
Deficit . . . . .					
Total . . . . .	49,360.25	65,989.99	281,523.52	87,086.27	102,547.41
<b>LIABILITIES</b>					
Debenture balance . . . . .	10,552.73	2,480.46	64,755.24	1,689.92	594.89
Accounts payable . . . . .	204.54		2,265.76	479.82	1,601.96
Bank overdraft . . . . .					
Other liabilities . . . . .	228.87		5,490.93		5,626.26
Total liabilities . . . . .	10,986.14	2,480.46	72,511.93	2,169.74	7,823.11
<b>RESERVES</b>					
For equity in H-E-P.C. systems . . . . .	1,974.54	16,616.33	79,690.89	45,803.78	26,220.69
For depreciation . . . . .	5,530.21	11,219.25	52,661.81	14,101.02	17,171.54
Other reserves . . . . .	2.37	65.97	350.00		468.92
Total reserves . . . . .	7,507.12	27,901.55	132,702.70	59,904.80	43,861.15
<b>SURPLUS</b>					
Debentures paid . . . . .	6,992.35	23,519.54	37,911.72	4,310.08	25,405.11
Local sinking fund . . . . .					
Operating surplus . . . . .	23,874.64	12,088.44	38,397.17	20,701.65	25,458.04
Total surplus . . . . .	30,866.99	35,607.98	76,308.89	25,011.73	50,863.15
Total liabilities, reserves and surplus . . . . .	49,360.25	65,989.99	281,523.52	87,086.27	102,547.41
Percentage of net debt to total assets . . . . .	23.2	5.0	35.9	5.2	4.3



“A”—Continued

Hydro Municipalities as at December 31, 1941

Thamesford	Thamesville	Thedford	Thorndale	Thorold	Tilbury	Tillsonburg
P.V.	816	598	P.V.	5,080	1,989	4,602
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	681.69			10,263.37	11,712.47	4,824.27
7,779.31	12,956.91	9,912.07	3,836.96	42,712.58	17,636.81	21,886.59
						51,142.35
3,845.07	5,364.88	3,798.95	2,045.45	23,816.58	14,850.39	23,172.79
3,221.29	4,610.19	2,862.42	1,942.10	23,642.39	8,016.94	23,017.08
298.97	2,267.33	903.22	181.19	3,244.74	1,080.92	12,363.19
443.14	537.84	1,553.05	310.45	3,709.02	1,975.56	4,397.80
				13,313.74		
	4,445.68	433.78		3,800.00	3,049.47	
15,587.78	30,864.52	19,463.49	8,316.15	124,502.42	58,322.56	140,804.07
	2,396.60	942.96	740.95	7,821.38	287.77	8,838.86
7,000.00	9,000.00	6,500.00	1,500.00	45,000.00	8,000.00	5,000.00
35.62	102.89	105.88	458.24	574.86	317.55	2,275.17
				3,584.42	5.99	3,601.88
17,277.84	17,718.20	9,606.57	8,609.26	102,236.85	46,942.44	89,180.87
				150.22	0.48	
39,901.24	60,082.21	36,618.90	19,624.60	283,870.15	113,876.79	249,700.85
39,901.24	60,082.21	36,618.90	19,624.60	283,870.15	113,876.79	249,700.85
412.85			560.15		1,941.93	9,664.18
	53.61	107.22	1.71	566.13	296.88	41.48
219.86						
82.00	361.00	17.31	50.57	2,603.00	21.43	4,049.55
714.71	414.61	124.53	612.43	3,169.13	2,260.24	13,755.21
17,277.84	17,718.20	9,606.57	8,609.26	102,236.85	46,942.44	89,180.87
6,181.71	11,459.14	5,482.56	4,621.84	40,025.10	17,932.27	31,934.49
	157.94		22.88		141.11	833.04
23,459.55	29,335.28	15,089.13	13,253.98	142,261.95	65,015.82	121,948.40
4,945.18	11,187.80	16,500.00	2,526.33	5,000.00	12,058.07	36,335.82
10,781.80	19,144.52	4,905.24	3,231.86	133,439.07	34,542.66	77,661.42
15,726.98	30,332.32	21,405.24	5,758.19	138,439.07	46,600.73	113,997.24
39,901.24	60,082.21	36,618.90	19,624.60	283,870.15	113,876.79	249,700.85
3.2	1.0	0.5	5.5	1.7	3.4	8.5

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality.....	Toronto	Toronto Twp.	Trafalgar Twp. Area No. 1	Trafalgar Twp. Area No. 2
Population .....	648,098			
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings .....	5,536,677.50	7,283.72	156.34	
Substation equipment .....	14,879,238.48			
Distribution system—overhead .....	6,925,861.72	210,202.12	23,730.37	12,439.77
Distribution system underground .....	4,166,101.69			
Line transformers .....	3,565,762.70	80,629.68	10,799.87	2,712.64
Meters .....	3,072,334.28	46,160.95	5,516.81	1,739.86
Street light equipment, regular .....	507,915.20	5,446.76		
Street light equipment, ornamental .....				
Miscellaneous construction expense .....	2,538,908.88	5,549.86	1,872.54	330.81
Steam or hydraulic plant .....				
Old plant .....		619.65		
Total plant .....	41,192,800.45	355,892.74	42,075.93	17,223.08
Bank and cash balance .....	1,535,325.23	6,671.06	2,589.88	1,302.29
Securities and investments .....	2,960,951.30	16,000.00	6,500.00	6,000.00
Accounts receivable .....	2,018,577.71	1,326.82	1,006.04	316.89
Inventories .....	781,630.98	39.50		
Sinking fund on local debentures .....	3,571,915.84			
Equity in H-E.P.C. systems .....	19,052,706.83	113,210.34	4,845.88	1,526.90
Other assets .....	813.52			
Total assets .....	71,114,721.86	493,140.46	57,017.73	26,369.16
Deficit .....				
Total .....	71,114,721.86	493,140.46	57,017.73	26,369.16
<b>LIABILITIES</b>				
Debenture balance .....	10,531,540.02	14,543.85	3,089.96	7,951.08
Accounts payable .....	1,573,325.03	2,510.83	119.44	177.60
Bank overdraft .....				
Other liabilities .....	150,021.93	3,977.12		
Total liabilities .....	12,254,886.98	21,031.80	3,209.40	8,128.68
<b>RESERVES</b>				
For equity in H-E.P.C. systems .....	19,052,706.83	113,210.34	4,845.88	1,526.90
For depreciation .....	10,772,949.40	149,550.45	20,583.11	4,028.15
Other reserves .....	1,243,016.31	773.15		
Total reserves .....	31,068,672.54	263,533.94	25,428.99	5,555.05
<b>SURPLUS</b>				
Debentures paid .....	20,124,761.01	89,456.15	16,336.45	1,510.07
Local sinking fund .....	3,571,915.84			
Operating surplus .....	4,094,485.49	119,118.57	12,042.89	11,175.36
Total surplus .....	27,791,162.34	208,574.72	28,379.34	12,685.43
Total liabilities, reserves and surplus .....	71,114,721.86	493,140.46	57,017.73	26,369.16
Percentage of net debt to total assets .....	17.9	5.5	6.1	32.7

“A”—Continued

Hydro Municipalities as at December 31, 1941

Wallaceburg	Wardsville	Waterdown	Waterford	Waterloo	Watford	Welland
4,802	221	867	1,294	8,690	1,023	11,568
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
45,473.22		200.00	1,273.13	15,166.17		77,006.74
11,425.11				79,251.93		134,744.21
63,551.82	5,313.56	16,588.66	16,650.30	98,436.89	17,900.17	157,056.79
						8,044.90
43,668.26	1,501.32	7,669.98	8,724.89	53,767.48	7,741.62	81,407.70
24,423.82	1,375.01	6,193.85	7,414.38	43,407.69	6,010.90	74,706.60
11,578.31	662.94	1,104.66	3,231.62	14,318.75	2,757.32	9,208.84
				3,106.80		39,049.25
4,484.29	495.73	27.17	847.48	6,399.57	2,123.12	12,305.82
20,941.07	193.94			23,880.17		49,476.19
225,545.90	9,542.50	31,784.32	38,141.80	337,735.45	36,533.13	643,007.04
373.20		3,972.47	2,014.68	8,882.42	184.41	65,541.31
30,000.00	1,500.00	5,000.00	6,300.00	47,000.00	6,800.00	43,079.67
8,011.80	1,719.03	886.07	20.86	1,694.00	445.68	2,737.47
12,218.29			163.88	1,619.90	265.66	20,049.50
						*79,404.05
189,271.52	3,711.50	22,799.06	32,471.51	264,534.75	23,675.99	309,948.42
				73.33	25.00	193.16
465,420.71	16,473.03	64,441.92	79,117.73	661,539.85	67,929.87	1,163,960.62
465,420.71	16,473.03	64,441.92	79,117.73	661,539.85	67,929.87	1,163,960.62
17,080.34						106,932.10
335.72	184.66		91.87	66.25	138.37	20,966.98
2,198.15	84.80					
2,808.05		145.00		3,106.80	311.41	48,746.63
22,422.26	269.46	145.00	91.87	3,173.05	449.78	176,645.71
189,271.52	3,711.50	22,799.06	32,471.51	264,534.75	23,675.99	309,948.42
61,834.20	3,895.75	8,556.12	14,159.31	155,316.09	11,690.79	172,386.84
1,238.06	25.22			735.26	110.16	2,920.32
252,343.78	7,632.47	31,355.18	46,630.82	420,586.10	35,476.94	485,255.58
54,456.24	7,562.40	8,000.00	7,745.53	106,000.00	9,055.77	168,067.90
136,198.43	1,008.70	24,941.74	24,649.51	131,780.70	22,947.38	*79,404.05
190,654.67	8,571.10	32,941.74	32,395.04	237,780.70	32,003.15	254,587.38
465,420.71	16,473.03	64,441.92	79,117.73	661,539.85	67,929.87	502,059.33
8.1	2.1	0.2	0.2	0.1	1.1	1,163,960.62
						7.9

\*Interest improvement for years 1938-41 inclusive not included.



## STATEMENT

## Balance Sheets of Electrical Departments of

**NIAGARA  
SYSTEM—Concluded**

Municipality.....	Wellesley	West Lorne	Weston	Wheatley	Windsor
Population.....	P.V.	768	5,289	761	103,571
<b>Assets</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....			11,903.31		547,479.39
Substation equipment.....			70,399.31		1,195,549.32
Distribution system—overhead.....	7,610.66	12,389.09	66,542.02	16,642.56	1,307,083.92
Distribution system—underground.....					174,248.18
Line transformers.....	3,012.12	5,947.79	45,521.42	4,445.03	577,082.31
Meters.....	2,842.11	4,040.42	30,155.39	4,617.23	532,186.36
Street light equipment, regular.....	545.11	858.36	29,981.90	1,918.67	83,766.84
Street light equipment, ornamental.....					1,021,495.33
Miscellaneous construction expense.....	339.76	457.52	9,145.49	801.23	196,479.22
Steam or hydraulic plant.....					
Old plant.....		1,250.00		2,569.50	166,440.66
Total plant.....	14,349.76	24,943.18	263,648.84	30,994.22	5,801,811.53
Bank and cash balance.....		1,161.50	75.00	1,523.86	1,075.00
Securities and investments.....	4,500.00	4,500.00		10,500.00	1,036,952.17
Accounts receivable.....		18.13	755.83	239.32	189,131.63
Inventories.....		52.41	456.11	194.02	236,063.81
Sinking fund on local debentures.....					62,195.85
Equity in H-E.P.C. systems.....	16,481.37	25,299.40	238,498.52	13,674.53	3,059,756.58
Other assets.....		146.86			4,701.50
Total assets.....	35,331.13	56,121.48	503,434.30	57,125.95	10,391,688.07
Deficit.....					
Total.....	35,331.13	56,121.48	503,434.30	57,125.95	10,391,688.07
<b>LIABILITIES</b>					
Debenture balance.....			7,626.98	2,008.48	598,122.51
Accounts payable.....		23.97	8,009.35	69.16	117,839.84
Bank overdraft.....	290.49		4,824.50		100,252.24
Other liabilities.....		128.15	3,187.84		1,133,977.26
Total liabilities.....	290.49	152.12	23,648.67	2,077.64	1,950,191.85
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	16,481.37	25,299.40	238,498.52	13,674.53	3,059,756.58
For depreciation.....	4,148.23	10,236.25	44,977.05	7,839.83	1,326,218.04
Other reserves.....		65.12	554.25	48.46	437,970.21
Total reserves.....	20,629.60	35,600.77	284,029.82	21,562.82	4,823,944.83
<b>SURPLUS</b>					
Debentures paid.....	7,500.00	8,000.00	62,405.46	10,991.52	1,985,709.54
Local sinking fund.....					62,195.85
Operating surplus.....	6,911.04	12,368.59	133,350.35	22,493.97	1,569,646.00
Total surplus.....	14,411.04	20,368.59	195,755.81	33,485.49	3,617,551.39
Total liabilities, reserves and surplus.....	35,331.13	56,121.48	503,434.30	57,125.95	10,391,688.07
Percentage of net debt to total assets.....	1.5	0.5	8.9	4.8	14.9

“A”—Continued

Hydro Municipalities as at December 31, 1941

Woodbridge 946	Woodstock 12,325	Wyoming 530	York Twp.	Zurich P.V.	NIAGARA SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	40,771.99	50.00	73,278.86	.....	9,538,164.56
.....	116,858.55	.....	6,245.09	.....	22,604,188.70
18,825.61	133,376.78	10,558.40	772,595.82	7,373.89	19,509,878.69
.....	.....	.....	.....	.....	5,830,340.72
7,357.37	70,157.39	1,508.00	325,510.33	2,487.93	9,810,105.12
5,880.88	65,301.98	3,148.86	323,612.28	2,847.81	8,439,950.74
574.03	22,624.70	358.65	55,989.93	471.82	2,026,009.54
.....	.....	.....	.....	.....	1,540,369.82
1,441.92	5,524.70	887.52	60,600.15	463.93	3,799,232.23
.....	.....	.....	.....	.....	25,155.29
.....	.....	.....	.....	150.00	791,644.35
34,079.81	454,616.09	16,511.43	1,617,832.46	13,795.38	83,915,039.76
558.05	22,818.22	620.55	200.00	417.38	2,420,280.93
4,000.00	64,000.00	500.00	.....	6,500.00	5,996,421.79
153.49	5,151.04	14.37	77,273.73	30.88	3,521,012.19
.....	630.11	.....	29,518.70	.....	1,681,213.11
.....	.....	.....	.....	.....	4,552,247.26
31,317.16	404,172.48	8,322.86	647,170.08	13,289.12	45,610,003.56
.....	10,530.37	.....	52,549.06	.....	194,565.35
70,108.51	961,918.31	25,969.21	2,424,544.03	34,032.76	147,890,783.95
.....	.....	.....	.....	.....	1,128.59
70,108.51	961,918.31	25,969.21	2,424,544.03	34,032.76	147,891,912.54
2,049.94	.....	.....	129,398.07	1,951.35	15,416,966.00
1,027.88	925.14	231.29	11,365.09	158.87	2,564,038.82
.....	.....	.....	14,552.27	.....	180,097.99
510.31	8,443.80	60.00	21,060.84	10.00	2,773,890.17
3,588.13	9,368.94	291.29	176,376.27	2,120.22	20,934,992.98
31,317.16	404,172.48	8,322.86	647,170.08	13,289.12	45,610,003.56
11,521.00	204,719.01	5,288.66	623,946.19	7,018.62	22,660,746.43
.....	15,766.97	.....	9,474.25	.....	2,753,218.95
42,838.16	624,658.46	13,611.52	1,280,590.52	20,307.74	71,023,968.94
6,450.03	127,385.63	9,700.00	359,976.58	3,640.26	34,484,600.59
17,232.19	200,505.28	2,366.40	607,600.66	7,964.54	4,552,247.26
23,682.22	327,890.91	12,066.40	967,577.24	11,604.80	16,896,102.77
70,108.51	961,918.31	25,969.21	2,424,544.03	34,032.76	55,932,950.62
9.2	1.7	1.7	10.2	10.4	147,891,912.54
.....	.....	.....	.....	.....	15.4

## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM

Municipality.....	Alliston	Arthur	Barrie	Beaverton	Beeton
Population.....	1,715	1,089	10,095	925	617
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....			16,550.75	499.50	
Substation equipment.....	675.73		18,884.56		428.50
Distribution system—overhead....	28,853.12	18,200.33	70,895.62	25,310.89	11,896.38
Distribution system—underground			66,437.67		
Line transformers.....	8,265.52	4,739.78	45,817.75	8,571.64	2,985.94
Meters.....	8,234.49	4,596.19	52,888.29	7,147.13	2,351.61
Street light equipment, regular....	1,567.17	796.21	13,305.29	1,316.79	1,169.54
Street light equipment, ornamental					
Miscellaneous construction expense	2,549.60	295.10	3,449.27	2,362.96	1,574.78
Steam or hydraulic plant.....					
Old plant.....	7,846.49	1,086.62		3,772.42	
Total plant.....	57,992.12	29,714.23	288,229.20	48,981.33	20,406.75
Bank and cash balance.....	354.94	468.52	75.00	1,253.45	2,341.95
Securities and investments.....	9,000.00	1,000.00		7,000.00	2,000.00
Accounts receivable.....	376.90	131.99	17,306.10	1,387.76	105.47
Inventories.....	65.36		4,629.61		
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	23,557.73	19,823.79	153,510.23	20,975.99	15,829.66
Other assets.....	390.42	405.00	13,789.85		
Total assets.....	91,737.47	51,543.53	477,539.99	79,598.53	40,683.83
Deficit.....		13,128.65			664.15
Total.....	91,737.47	64,672.18	477,539.99	79,598.53	41,347.98
<b>LIABILITIES</b>					
Debenture balance.....	11,862.69	10,117.26	9,193.02	1,209.58	5,646.18
Accounts payable.....	96.09	484.42	17,996.18	1,359.93	0.02
Bank overdraft.....			5,475.56		
Other liabilities.....	276.10	405.00	4,179.45	567.04	
Total liabilities.....	12,234.88	11,006.68	36,844.21	3,136.55	5,646.20
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	23,557.73	19,823.79	153,510.23	20,975.99	15,829.66
For depreciation.....	21,027.24	18,958.97	106,632.14	16,588.24	10,418.30
Other reserves.....	73.94		400.00	400.00	100.00
Total reserves.....	44,658.91	38,782.76	260,542.37	37,964.23	26,347.96
<b>SURPLUS</b>					
Debentures paid.....	28,137.31	14,882.74	56,172.66	13,790.42	9,353.82
Local sinking fund.....					
Operating surplus.....	6,706.37		123,980.75	24,707.33	
Total surplus.....	34,843.68	14,882.74	180,153.41	38,497.75	9,353.82
Total liabilities, reserves and surplus.	91,737.47	64,672.18	477,539.99	79,598.53	41,347.98
Percentage of net debt to total assets	17.9	34.7	11.4	5.4	22.7



“A”—Continued

Hydro Municipalities as at December 31, 1941

Bradford 1,041	Brechin P.V.	Cannington 761	Chatsworth 333	Chesley 1,812	Coldwater 606	Collingwood 5,636
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
388.50			364.89	6,000.00	275.00	15,950.08
20,811.96	2,135.59	11,898.15	5,302.45	2,305.58		11,203.24
				22,422.49	9,442.31	55,155.39
5,411.40	1,266.71	5,375.14	2,309.52	9,078.66	3,726.86	19,161.96
5,709.57	889.42	4,950.65	1,891.51	7,264.52	3,211.09	26,043.34
544.95	248.55	988.37	529.17	2,506.98	775.02	2,940.72
1,977.52	546.92	621.73	491.27	3,799.37	268.38	1,770.99
		3,609.37				
34,843.90	5,087.19	27,443.41	10,888.81	53,377.60	17,698.66	132,225.72
3,776.12	372.60	1,881.15	205.41	15.00	942.43	2,882.87
7,000.00	500.00	1,500.00	1,500.00	5,000.00	4,000.00	26,000.00
147.96	692.37	216.86	340.31	64.42	1,003.24	793.54
		270.08		440.56		
18,473.49	7,838.87	15,841.57	4,509.69	36,791.95	15,370.19	138,484.05
90.00				1,409.12		23.84
64,331.47	14,491.03	47,153.07	17,444.22	97,098.65	39,014.52	300,410.02
64,331.47	14,491.03	47,153.07	17,444.22	97,098.65	39,014.52	300,410.02
9,356.08	1,142.90	2,227.72			889.15	
998.59	67.74	146.51	20.44	9,013.03	48.84	1,410.99
				1,027.06		
255.00	97.96	49.00	122.36		251.87	2,361.31
10,609.67	1,308.60	2,423.23	142.80	10,040.09	1,189.86	3,772.30
18,473.49	7,838.87	15,841.57	4,509.69	36,791.95	15,370.19	138,484.05
14,479.31	2,045.59	12,807.23	3,907.60	16,180.48	10,712.45	67,043.57
25.00	80.09	39.05			80.00	200.00
32,977.80	9,964.55	28,687.85	8,417.29	52,972.43	26,162.64	205,727.62
15,843.92	2,068.02	12,772.28	5,400.00	27,500.00	6,110.85	38,183.42
4,900.08	1,149.86	3,269.71	3,484.13	6,586.13	5,551.17	52,726.68
20,744.00	3,217.88	16,041.99	8,884.13	34,086.13	11,662.02	90,910.10
64,331.47	14,491.03	47,153.07	17,444.22	97,098.65	39,014.52	300,410.02
23.1	19.7	7.7	1.1	16.6	5.0	2.3

## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality . . . . .	Cooks- town P.V.	Creemore	Dundalk	Durham	Elmvale
Population . . . . .	P.V.	661	686	1,874	P.V.
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	70.00			204.18	106.25
Substation equipment . . . . .	392.95			546.02	2,273.07
Distribution system—overhead . . . . .	9,693.20	7,669.57	8,608.62	23,075.28	9,712.45
Distribution system—underground . . . . .					
Line transformers . . . . .	2,535.85	3,676.20	4,245.50	9,177.89	3,821.64
Meters . . . . .	2,509.51	3,262.37	3,342.05	8,010.06	4,037.61
Street light equipment, regular . . . . .	919.69	358.56	1,203.31	1,545.06	447.17
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	1,542.38	77.02	295.62	1,286.66	513.10
Steam or hydraulic plant . . . . .					
Old plant . . . . .				2,091.39	
Total plant . . . . .	17,663.58	15,043.72	17,695.10	45,936.54	20,911.29
Bank and cash balance . . . . .	4,880.37	381.34	635.59	209.12	1,767.41
Securities and investments . . . . .	4,000.00	5,000.00	4,000.00	9,000.00	6,700.00
Accounts receivable . . . . .	624.57	191.51	162.01	743.31	229.33
Inventories . . . . .			6.50	670.99	
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	5,449.94	12,133.47	12,805.92	31,646.48	15,413.47
Other assets . . . . .				91.29	
Total assets . . . . .	32,618.46	32,750.04	35,305.12	88,297.73	45,021.50
Deficit . . . . .					
Total . . . . .	32,618.46	32,750.04	35,305.12	88,297.73	45,021.50
<b>LIABILITIES</b>					
Debenture balance . . . . .	3,520.51				433.65
Accounts payable . . . . .	0.42	734.16	1.57		387.82
Bank overdraft . . . . .					
Other liabilities . . . . .	85.00	237.00			21.00
Total liabilities . . . . .	3,605.93	971.16	1.57		842.47
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	5,449.94	12,133.47	12,805.92	31,646.48	15,413.47
For depreciation . . . . .	9,161.85	6,554.60	7,381.51	16,436.37	10,094.49
Other reserves . . . . .		50.00			17.73
Total reserves . . . . .	14,611.79	18,738.07	20,187.43	48,082.85	25,525.69
<b>SURPLUS</b>					
Debentures paid . . . . .	9,979.49	2,823.61	5,955.96	25,800.00	6,566.35
Local sinking fund . . . . .					
Operating surplus . . . . .	4,421.25	10,217.20	9,160.16	14,414.88	12,086.99
Total surplus . . . . .	14,400.74	13,040.81	15,116.12	40,214.88	18,653.34
Total liabilities, reserves and surplus . . . . .	32,618.46	32,750.04	35,305.12	88,297.73	45,021.50
Percentage of net debt to total assets . . . . .	13.3	9.1	0.0	0.0	2.8

“A”—Continued

Hydro Municipalities as at December 31, 1941

Elmwood P.V.	Flesherton 452	Grand Valley 645	Graven- hurst 2,261	Hanover 3,190	Holstein P.V.	Huntsville 2,943
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	408.78	36.50	10,072.27	3,879.03	.....	353.52
.....	.....	.....	10,986.03	9,271.19	.....	647.30
5,194.07	5,970.17	12,195.18	39,803.54	51,504.53	2,255.72	22,020.09
.....	.....	.....	1,941.77	.....	.....	.....
1,100.67	2,646.59	2,894.74	15,986.39	22,390.56	1,011.04	14,409.34
1,295.51	2,463.21	3,689.40	13,577.23	18,165.68	797.04	13,985.51
372.71	802.19	1,051.12	4,472.25	2,350.30	170.44	7,489.65
.....	.....	.....	.....	.....	.....	.....
1,093.62	1,072.48	296.06	2,770.56	6,214.46	188.31	1,385.19
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	18,130.29	2,370.91	.....	5,156.20
.....	.....	.....	.....	.....	.....	.....
9,056.58	13,363.42	20,163.00	117,740.33	116,146.66	4,422.55	65,446.80
.....	.....	.....	.....	.....	.....	.....
526.55	1,467.00	1,371.76	1,466.46	6,878.33	377.61	817.29
3,500.00	5,500.00	6,128.60	.....	32,848.98	2,500.00	8,000.00
.....	43.78	105.25	1,036.10	557.37	57.50	1,080.93
.....	.....	.....	994.19	121.21	.....	3,980.20
.....	.....	.....	.....	.....	.....	.....
4,181.99	6,754.40	12,306.58	28,956.02	83,031.19	2,736.95	59,945.50
.....	.....	.....	276.67	672.80	.....	.....
.....	.....	.....	.....	.....	.....	.....
17,265.12	27,128.60	40,075.19	150,469.77	240,256.54	10,094.61	139,270.72
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
17,265.12	27,128.60	40,075.19	150,469.77	240,256.54	10,094.61	139,270.72
.....	.....	.....	.....	.....	.....	.....
.....	1,268.67	.....	.....	.....	.....	.....
31.83	9.10	2.68	6,042.09	.....	3.79	607.67
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	890.00	693.99	.....	1,657.07
.....	.....	.....	.....	.....	.....	.....
31.83	1,277.77	2.68	6,932.09	693.99	3.79	2,264.74
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
4,181.99	6,754.40	12,306.58	28,956.02	83,031.19	2,736.95	59,945.50
3,476.90	4,908.18	9,872.09	29,916.67	63,540.84	2,066.55	15,306.18
.....	.....	.....	500.00	.....	.....	400.00
.....	.....	.....	.....	.....	.....	.....
7,658.89	11,662.58	22,178.67	59,372.69	146,572.03	4,803.50	75,651.68
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
7,200.00	5,431.33	11,000.00	63,968.41	87,500.00	2,762.05	21,133.54
.....	.....	.....	.....	.....	.....	.....
2,374.40	8,756.92	6,893.84	20,196.58	5,490.52	2,525.27	40,220.76
.....	.....	.....	.....	.....	.....	.....
9,574.40	14,188.25	17,893.84	84,164.99	92,990.52	5,287.32	61,354.30
.....	.....	.....	.....	.....	.....	.....
17,265.12	27,128.60	40,075.19	150,469.77	240,256.54	10,094.61	139,270.72
.....	.....	.....	.....	.....	.....	.....
0.2	6.3	0.0	5.7	0.4	0.0	2.9



## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality . . . . .	Kin- cardine 2,483	Kirkfield P.V.	Lucknow 977	Markdale 776	Meaford 2,759
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	6,531.80				1,144.18
Substation equipment . . . . .	2,794.20			780.80	3,849.47
Distribution system—overhead . . . . .	44,459.20	5,179.43	20,870.73	11,388.05	33,425.36
Distribution system—underground . . . . .					
Line transformers . . . . .	13,306.09	757.90	8,319.06	5,750.80	9,097.50
Meters . . . . .	12,477.25	814.97	5,321.46	4,413.20	9,585.34
Street light equipment, regular . . . . .	6,076.00	379.00	1,509.55	1,390.15	3,595.33
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	5,066.07	234.11	2,380.36	591.61	2,466.54
Steam or hydraulic plant . . . . .					
Old plant . . . . .				2,080.65	3,452.38
Total plant . . . . .	90,710.61	7,365.41	38,401.16	26,395.26	66,616.10
Bank and cash balance . . . . .	7,427.04	665.01	443.16	1,286.03	342.69
Securities and investments . . . . .	7,000.00		2,000.00	4,755.13	13,000.00
Accounts receivable . . . . .	626.16	387.28	524.37	699.67	312.10
Inventories . . . . .	957.21	38.29			32.91
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	42,791.79	3,253.27	19,737.42	10,389.71	30,007.26
Other assets . . . . .	447.13				126.61
Total assets . . . . .	149,959.94	11,709.26	61,106.11	43,525.80	110,437.67
Deficit . . . . .		1,685.22			
Total . . . . .	149,959.94	13,394.48	61,106.11	43,525.80	110,437.67
LIABILITIES					
Debt balance . . . . .	1,586.34		807.00	2,266.24	9,042.42
Accounts payable . . . . .	331.28	5.94		2.47	190.60
Bank overdraft . . . . .					
Other liabilities . . . . .	4.00	40.99	5.00	22.00	2,235.46
Total liabilities . . . . .	1,921.62	46.93	812.00	2,290.71	11,468.48
RESERVES					
For equity in H-E.P.C. systems . . . . .	42,791.79	3,253.27	19,737.42	10,389.71	30,007.26
For depreciation . . . . .	34,432.40	3,894.28	10,445.64	8,900.73	16,723.77
Other reserves . . . . .	78.44	200.00			40.00
Total reserves . . . . .	77,302.63	7,347.55	30,183.06	19,290.44	46,771.03
SURPLUS					
Debentures paid . . . . .	62,613.66	6,000.00	18,906.16	6,733.76	40,317.78
Local sinking fund . . . . .					
Operating surplus . . . . .	8,122.03		11,204.89	15,210.89	11,880.38
Total surplus . . . . .	70,735.69	6,000.00	30,111.05	21,944.65	52,198.16
Total liabilities, reserves and surplus . . . . .	149,959.94	13,394.48	61,106.11	43,525.80	110,437.67
Percentage of net debt to total assets . . . . .	1.8	0.6	2.0	6.9	14.3

## “A”—Continued

## Hydro Municipalities as at December 31, 1941

Midland 6,627	Mildmay 764	Mount Forest 1,936	Neustadt 431	Orange- ville 2,558	Owen Sound 13,599	Paisley 730
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
19,983.57		3,725.00		2,585.07	27,107.19	
85,264.20		686.75		1,169.00	17,973.04	1,923.46
98,887.54	6,234.75	23,224.98	10,430.88	36,757.90	119,855.13	12,144.09
27,992.36	1,877.31	7,929.09	3,910.81	10,882.24	62,299.16	1,857.15
40,171.20	3,035.37	8,726.82	2,390.65	13,995.13	66,863.56	3,355.11
19,322.71	577.24	2,397.89	496.41	7,532.55	31,027.61	1,045.51
3,297.39	868.60	2,054.63	1,504.28	6,302.24	3,282.88	672.29
	849.00	3,810.95	1,097.60	3,204.99	33,282.00	1,745.00
294,918.97	13,442.27	52,556.11	19,830.63	82,429.12	361,690.57	22,742.61
75.00	1,484.02	2,159.10	1,563.61	20.00	1,201.03	619.54
45,568.06	3,500.00	4,000.00	6,000.00	14,000.00	5,000.00	4,000.00
9,129.91		255.60	79.56	476.21	5,097.21	116.18
3,917.22		42.79	10.50	282.17	11,354.03	
221,065.64	3,072.72	32,980.23	6,573.38	44,834.16	211,262.23	11,135.06
1,192.14	271.04		.31	852.31	1,050.00	9.26
575,866.94	21,770.05	91,993.83	34,057.99	142,893.97	596,655.07	38,622.65
			639.21			
575,866.94	21,770.05	91,993.83	34,697.20	142,893.97	596,655.07	38,622.65
	8,230.52	5,046.21				2,472.02
1,128.12	26.56	1,500.00	50.73	88.27	14,671.13	204.74
7,446.50				504.43		
1,119.11		195.00	350.00	33.00	5,635.01	38.26
9,693.73	8,257.08	6,741.21	400.73	625.70	20,306.14	2,715.02
221,065.64	3,072.72	32,980.23	6,573.38	44,834.16	211,262.23	11,135.06
191,698.20	2,290.00	23,472.01	10,723.09	31,950.96	85,324.69	6,116.99
1,597.59					10,300.00	
414,361.43	5,362.72	56,452.24	17,296.47	76,785.12	306,886.92	17,252.05
111,944.99	4,072.98	25,912.39	17,000.00	35,900.00	141,000.00	13,527.98
39,866.79	4,077.27	2,887.99		29,583.15	128,462.01	5,127.60
151,811.78	8,150.25	28,800.38	17,000.00	65,483.15	269,462.01	18,655.58
575,866.94	21,770.05	91,993.83	34,697.20	142,893.97	596,655.07	38,622.65
2.7	44.2	11.4	1.5	0.6	5.3	9.9

## STATEMENT

## Balance Sheets of Electrical Departments of

**GEORGIAN BAY  
SYSTEM—Continued**

Municipality . . . . .	Penetan- guishene 4,177	Port Elgin 1,415	Port McNicol 964	Port Perry 1,175	Priceville P.V.
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	2,288.05	111.25	369.08		68.00
Substation equipment . . . . .	7,161.13			2,564.65	
Distribution system—overhead . . . . .	52,487.29	27,318.72	9,785.91	19,922.33	5,476.21
Distribution system—underground . . . . .					
Line transformers . . . . .	22,011.84	6,761.17	1,500.23	5,291.65	929.92
Meters . . . . .	16,043.98	8,006.56	3,065.60	4,875.19	562.08
Street light equipment, regular . . . . .	3,942.13	2,270.59	652.98	1,816.38	256.88
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	2,034.34	888.65	691.29	265.91	833.90
Steam or hydraulic plant . . . . .					
Old plant . . . . .		4,213.00			
Total plant . . . . .	105,968.76	49,569.94	16,065.09	34,736.11	8,126.99
Bank and cash balance . . . . .	2,250.39	1,458.82	521.33	28.27	1,092.67
Securities and investments . . . . .	1,718.96	10,000.00	500.00	7,000.00	
Accounts receivable . . . . .	1,584.95	291.24	128.65	55.86	105.12
Inventories . . . . .	107.11				
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	64,110.98	11,109.74	6,404.87	17,606.55	972.44
Other assets . . . . .					1.84
Total assets . . . . .	175,741.15	72,429.74	23,619.94	59,426.79	10,299.06
Deficit . . . . .					864.04
Total . . . . .	175,741.15	72,429.74	23,619.94	59,426.79	11,163.10
LIABILITIES					
Debenture balance . . . . .	799.21	23,954.48		7,119.02	
Accounts payable . . . . .	193.95	3,377.22		7.75	
Bank overdraft . . . . .					
Other liabilities . . . . .	681.75	33.10	118.40	660.00	
Total liabilities . . . . .	1,674.91	27,364.80	118.40	7,786.77	
RESERVES					
For equity in H-E.P.C. systems . . . . .	64,110.98	11,109.74	6,404.87	17,606.55	972.44
For depreciation . . . . .	47,273.13	8,737.29	5,170.89	11,893.08	3,190.66
Other reserves . . . . .	1,014.34				
Total reserves . . . . .	112,398.45	19,847.03	11,575.76	29,499.63	4,163.10
SURPLUS					
Debentures paid . . . . .	36,183.74	18,045.52	7,300.00	12,762.64	7,000.00
Local sinking fund . . . . .					
Operating surplus . . . . .	25,484.05	7,172.39	4,625.78	9,377.75	
Total surplus . . . . .	61,667.79	25,217.91	11,925.78	22,140.39	7,000.00
Total liabilities, reserves and surplus . . . . .	175,741.15	72,429.74	23,619.94	59,426.79	11,163.10
Percentage of net debt to total assets . . . . .	1.5	44.6	0.7	18.6	0.0



## “A”—Continued

## Hydro Municipalities as at December 31, 1941

Ripley 420	Rosseau 305	Shelburne 1,053	South- ampton 1,467	Stayner 1,106	Sunderland P.V.	Tara 510
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
		800.00	25.00			
		566.60		200.00		
10,188.27	7,832.94	15,466.14	27,785.64	16,804.99	4,284.74	11,383.81
3,888.79	2,314.23	7,771.43	10,100.01	6,966.61	1,772.83	3,208.91
2,202.26	1,327.86	6,831.44	10,087.10	7,097.13	2,316.96	2,043.54
844.33	623.60	1,104.49	2,558.48	1,095.02	670.57	2,721.65
1,196.42	1,210.44	2,220.70	975.13	374.08	164.62	1,425.42
		739.50	2,477.00		2,030.00	
18,320.07	13,309.07	35,500.30	54,008.36	32,537.83	11,239.72	20,783.33
3,000.00	26.65	1,443.92	612.46	553.34	821.30	2,843.97
	1,000.00	7,000.00	1,000.00	3,000.00	1,000.00	3,500.00
76.00	188.72	168.85	295.30	111.04	285.63	77.40
		261.42				
7,832.45	3,417.69	19,415.32	9,637.12	16,774.21	10,414.38	8,579.18
		180.92				
29,228.52	17,942.13	63,970.73	65,553.24	52,976.42	23,761.03	35,783.88
235.71	1,174.53					
29,464.23	19,116.66	63,970.73	65,553.24	52,976.42	23,761.03	35,783.88
6,383.93	9,502.25		11,610.34			
220.70		238.11	2,424.01	197.44	572.82	447.24
141.25						
265.83	265.00	103.45	8.22	265.80	5.00	
7,011.71	9,767.25	341.56	14,042.57	463.24	577.82	447.24
7,832.45	3,417.69	19,415.32	9,637.12	16,774.21	10,414.38	8,579.18
7,032.06	2,415.23	17,040.37	7,532.10	14,157.04	5,603.50	9,535.28
	18.74			50.00		
14,864.51	5,851.66	36,455.69	17,169.22	30,981.25	16,017.88	18,114.46
7,588.01	3,497.75	19,920.00	21,389.59	9,867.59	6,800.00	15,500.00
		7,253.48	12,951.86	11,664.34	365.33	1,722.18
7,588.01	3,497.75	27,173.48	34,341.45	21,531.93	7,165.33	17,222.18
29,464.23	19,116.66	63,970.73	65,553.24	52,976.42	23,761.03	35,783.88
32.8	67.2	0.8	25.1	1.3	4.3	1.6

## STATEMENT

## Balance Sheets of Electrical Departments of

**GEORGIAN BAY  
SYSTEM—Concluded**

Municipality . . . . .	Teeswater	Thornton	Totten- ham	Uxbridge	Victoria Harbour
Population . . . . .	873	P.V.	532	1,480	1,018
<b>ASSETS</b>					
Lands and buildings . . . . .				40.00	
Substation equipment . . . . .	330.31		358.50	2,657.65	
Distribution system—overhead . . . . .	17,788.31	6,818.42	9,127.77	15,306.06	10,601.72
Distribution system—underground . . . . .					
Line transformers . . . . .	5,695.75	1,764.80	1,697.12	5,135.64	2,333.76
Meters . . . . .	3,808.82	1,009.17	2,653.64	5,776.61	3,794.41
Street light equipment, regular . . . . .	1,495.82	433.25	496.86	1,505.99	366.32
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	1,833.57	300.35	1,321.42	1,120.61	762.41
Steam or hydraulic plant . . . . .					
Old plant . . . . .	4,976.86		286.45		
Total plant . . . . .	35,929.44	10,325.99	15,946.76	31,542.56	17,858.62
Bank and cash balance . . . . .		1,235.43	1,036.34	899.80	1,394.70
Securities and investments . . . . .	3,500.00		250.00	500.00	1,000.00
Accounts receivable . . . . .	538.28	30.65	128.97	391.93	238.47
Inventories . . . . .	38.23			26.03	
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	12,423.43	3,418.29	10,782.86	18,727.06	6,613.35
Other assets . . . . .	108.67				
Total assets . . . . .	52,538.05	15,010.36	28,144.93	52,087.38	27,105.14
Deficit . . . . .		1,596.14	5,345.54		
Total . . . . .	52,538.05	16,606.50	33,490.47	52,087.38	27,105.14
<b>LIABILITIES</b>					
Debenture balance . . . . .			3,726.83		
Accounts payable . . . . .	40.57	91.74	1,926.18	100.00	52.39
Bank overdraft . . . . .	58.93				
Other liabilities . . . . .	66.00		313.26	337.00	
Total liabilities . . . . .	165.50	91.74	5,966.27	437.00	52.39
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	12,423.43	3,418.29	10,782.86	18,727.06	6,613.35
For depreciation . . . . .	10,268.56	5,596.47	7,480.75	8,641.33	6,803.51
Other reserves . . . . .			20.32	314.00	
Total reserves . . . . .	22,691.99	9,014.76	18,283.93	27,682.39	13,416.86
<b>SURPLUS</b>					
Debentures paid . . . . .	28,000.00	7,500.00	9,240.27	16,207.59	6,500.00
Local sinking fund . . . . .					
Operating surplus . . . . .	1,680.56			7,760.40	7,135.89
Total surplus . . . . .	29,680.56	7,500.00	9,240.27	23,967.99	13,635.89
Total liabilities, reserves and surplus . . . . .	52,538.05	16,606.50	33,490.47	52,087.38	27,105.14
Percentage of net debt to total assets . . . . .	0.4	0.8	34.4	1.3	0.3

“A”—Continued

Hydro Municipalities as at December 31, 1941

Walkerton 2,534	Waubau- shene P.V.	Wiar-ton 1,750	Winder- mere 158	Wingham 2,114	Woodville 439	GEORGIAN BAY SYSTEM SUMMARY
		200.00		21,513.45		141,262.39
		333.57		4,863.91		191,479.91
42,136.46	9,893.07	21,873.58	9,811.50	40,549.75	3,539.72	1,299,068.49
						68,379.44
14,956.71	2,641.62	5,876.77	3,492.70	18,616.24	2,150.74	491,466.23
12,724.13	3,087.54	7,155.08	1,187.30	16,324.60	2,203.79	495,652.84
2,626.74	303.35	2,914.96	247.26	11,276.86	521.83	163,967.50
2,961.40	312.68	5,867.86	525.65	4,863.71	274.31	97,589.22
				14,711.99		47,993.99
4,897.60		2,001.79		12,320.02	2,182.50	96,428.98
80,303.04	16,238.26	46,223.61	15,264.41	145,040.53	10,872.89	3,093,288.99
4,767.23	83.83	1,253.03	1,407.42	30.00	.44	79,395.84
3,000.00		12,500.00	1,000.00		5,000.00	322,969.73
1,376.91	247.31	569.24	117.11	2,808.52	1,195.74	56,114.72
1,306.49				4,909.29		34,462.39
18,027.62	4,425.18	13,777.77	2,391.04	36,864.07	10,168.16	1,697,365.75
				251.31		21,640.53
108,781.29	20,994.58	74,323.65	20,179.98	189,903.72	27,237.23	5,305,237.95
						25,333.19
108,781.29	20,994.58	74,323.65	20,179.98	189,903.72	27,237.23	5,330,571.14
39,035.56		24,928.21	7,884.29	22,282.87	741.16	244,286.31
16.76	890.96	2.80	531.50	32.63	770.08	69,798.60
				3,023.77		17,677.50
208.50		167.22		682.55	2.00	26,010.06
39,260.82	890.96	25,098.23	8,415.79	26,021.82	1,513.24	357,772.47
18,027.62	4,425.18	13,777.77	2,391.04	36,864.07	10,168.16	1,697,365.75
11,825.16	3,212.88	7,350.48	3,224.27	37,608.50	3,139.14	1,150,221.79
75.65	125.00	46.30			1,000.00	17,246.19
29,928.43	7,763.06	21,174.55	5,615.31	74,472.57	14,307.30	2,864,833.73
23,964.44	3,500.00	12,471.79	3,879.01	73,822.63	4,758.84	1,319,965.29
15,627.60	8,840.56	15,579.08	2,269.87	15,586.70	6,657.85	787,999.65
39,592.04	12,340.56	28,050.87	6,148.88	89,409.33	11,416.69	2,107,964.94
108,781.29	20,994.58	74,323.65	20,179.98	189,903.72	27,237.23	5,330,571.14
43.3	5.4	41.5	47.3	17.0	9.0	9.9



## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM

Municipality.....	Alexandria	Apple Hill	Arnprior	Athens	Bath
Population.....	1,976	P.V.	4,019	626	325
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	202.00	169.06			
Substation equipment.....					
Distribution system—overhead.....	27,785.73	3,009.09	27,196.07	14,364.26	6,437.62
Distribution system—underground.....					
Line transformers.....	9,011.52	1,421.37	10,891.82	2,401.06	1,481.15
Meters.....	7,820.96	1,234.61	13,912.18	3,338.46	931.22
Street light equipment, regular.....	2,233.59	421.12	6,115.00	698.90	554.37
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	5,755.22	241.73	596.00	1,139.29	727.38
Steam or hydraulic plant.....					
Old plant.....	4,466.89	709.55			
Total plant.....	57,275.91	7,206.53	58,711.07	21,941.97	10,131.74
Bank and cash balance.....	4,506.06	1,234.34	5,070.48	1,441.46	32.89
Securities and investments.....	15,000.00	1,500.00	10,000.00	4,500.00	
Accounts receivable.....	4,842.51	623.36	291.97	465.27	19.87
Inventories.....			289.64		
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	30,582.24	3,309.57	3,551.63	6,166.08	2,044.09
Other assets.....					
Total assets.....	112,206.72	13,873.80	77,914.79	34,514.78	12,228.59
Deficit.....					
Total.....	112,206.72	13,873.80	77,914.79	34,514.78	12,228.59
LIABILITIES					
Debenture balance.....		159.88	40,054.05	6,657.61	5,078.85
Accounts payable.....	0.39	523.10	3,988.22		399.92
Bank overdraft.....					
Other liabilities.....	676.66		1,868.09		50.00
Total liabilities.....	677.05	682.98	45,910.36	6,657.61	5,528.77
RESERVES					
For equity in H-E.P.C. systems.....	30,582.24	3,309.57	3,551.63	6,166.08	2,044.09
For depreciation.....	22,498.53	2,881.26	3,344.80	5,801.29	1,996.67
Other reserves.....	343.96			206.06	
Total reserves.....	53,424.73	6,190.83	6,896.43	12,173.43	4,040.76
SURPLUS					
Debentures paid.....	48,133.84	5,840.12	15,415.03	7,342.39	2,421.15
Local sinking fund.....					
Operating surplus.....	9,971.10	1,159.87	9,692.92	8,341.35	237.91
Total surplus.....	58,104.94	6,999.99	25,108.00	15,683.74	2,659.06
Total liabilities, reserves and surplus.....	112,206.72	13,873.80	77,914.79	34,514.78	12,228.59
Percentage of net debt to total assets.....	0.8	6.5	61.7	23.5	54.3

“A”—Continued

Hydro Municipalities as at December 31, 1941

Belleville 14,876	Bloomfield 636	Bowman- ville 3,850	Brighton 1,462	Brockville 9,996	Cardinal 1,602	Carleton Place 4,143
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
41,950.02		28,670.08	600.00	45,295.14		13,390.32
89,718.13	410.00	894.47		39,212.30		2,471.63
130,843.83	11,075.50	50,100.59	16,968.83	100,712.08	14,211.70	46,592.65
40,259.99	2,251.13	11,153.53	6,620.54	53,604.92	3,834.27	14,084.57
69,598.55	3,180.23	20,338.94	8,172.95	53,267.26	3,783.93	19,649.61
23,735.53	1,040.99	8,172.97	1,305.85	27,292.21	491.85	6,691.85
14,612.96	1,403.42	4,862.21	842.00	1,672.00	688.93	5,668.26
				46,965.86		
				4,821.76	3,474.80	5,289.19
410,719.01	19,361.27	124,192.79	34,510.17	372,843.53	26,485.48	113,838.08
	1,737.20	13,970.71	3,618.19	5,505.60	778.09	2,624.61
5,000.00	2,980.00	5,000.00	500.00	103,000.00	3,500.00	28,000.00
27,154.44	60.46	7,930.56	2,936.33	3,338.44	154.14	968.86
12,937.47		6,639.50	6,052.80	2,216.75		1,762.15
168,289.20	6,137.55	58,191.94	11,133.98	170,947.77	5,406.00	78,430.75
			8.91	374.80		
624,100.12	30,276.48	215,975.50	58,810.38	658,276.89	36,323.71	225,624.45
624,100.12	30,276.48	215,975.50	58,810.38	648,276.89	36,323.71	225,624.45
	3,244.44	5,000.00	9,927.07		7,955.27	18,360.66
	68.50	340.87	165.79	13,378.81	109.01	1,164.71
937.25						
10,741.11	145.00	1,619.76	382.58	232.40	5.00	1,562.40
11,678.36	3,457.94	6,960.63	10,475.44	13,611.21	8,069.28	21,087.77
168,289.20	6,137.55	58,191.94	11,133.98	170,947.77	5,406.00	78,430.75
59,893.73	7,009.47	18,465.36	4,658.02	140,193.74	3,250.78	19,503.05
2,676.18			359.70	14,641.46	76.36	960.67
230,859.11	13,147.02	76,657.30	16,151.70	325,782.97	8,733.14	98,894.47
176,000.00	7,955.56	66,000.00	15,072.93	226,657.54	7,044.73	47,639.34
205,562.65	5,715.96	66,357.57	17,110.31	92,225.17	12,476.56	58,002.87
381,562.65	13,671.52	132,357.57	32,183.24	318,882.71	19,521.29	105,642.21
624,100.12	30,276.48	215,975.50	58,810.38	658,276.89	36,323.71	225,624.45
2.6	14.3	4.4	22.0	2.8	26.1	14.3

## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality	Chester- ville 1,094	Cobden 643	Cobourg 5,062	Colborne 960	Deseronto 1,002
Population					
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings	335.00		29,949.68		597.41
Substation equipment			1,668.35		161.18
Distribution system—overhead	10,641.61	4,473.08	82,519.44	11,014.54	11,007.51
Distribution system—underground					
Line transformers	4,008.10	1,146.09	26,448.05	1,250.89	1,753.21
Meters	5,134.26	1,128.65	31,521.87	2,977.20	5,076.46
Street light equipment, regular	593.64	444.46	13,977.70	1,479.27	432.60
Street light equipment, ornamental					
Miscellaneous construction expense	848.28	45.86	4,256.01	2,408.00	391.85
Steam or hydraulic plant					
Old plant		2,853.85			
Total plant	21,560.89	10,091.99	190,341.10	19,129.90	19,420.22
Bank and cash balance	1,650.09	1,360.27	15,322.61	1,285.19	564.39
Securities and investments	9,000.00	3,000.00	5,000.00	4,000.00	
Accounts receivable	1,679.51	39.99	7,950.79	171.76	1,297.23
Inventories	613.45		3,836.57	1,612.22	573.80
Sinking fund on local debentures					
Equity in H-E.P.C. systems	27,197.35	1,215.69	43,666.06	3,823.71	6,924.86
Other assets	1.90		149.04	541.09	
Total assets	61,703.19	15,707.94	266,266.17	30,563.87	28,780.50
Deficit					
Total	61,703.19	15,707.94	266,266.17	30,563.87	28,780.50
<b>LIABILITIES</b>					
Debenture balance		4,178.85	68,126.63	8,566.49	
Accounts payable	17.68		7,346.70	586.49	72.10
Bank overdraft					
Other liabilities	46.00	122.50	4,990.80	242.00	321.31
Total liabilities	63.68	4,301.35	80,464.13	9,394.98	393.41
<b>RESERVES</b>					
For equity in H-E.P.C. systems	27,197.35	1,215.69	43,666.06	3,823.71	6,924.86
For depreciation	8,297.07	783.61	30,766.92	2,838.13	4,284.48
Other reserves					
Total reserves	35,494.42	1,999.30	74,432.98	6,661.84	11,209.34
<b>SURPLUS</b>					
Debentures paid	6,500.00	3,624.42	37,866.87	3,628.10	15,000.00
Local sinking fund					
Operating surplus	19,645.09	5,782.87	73,502.19	10,878.95	2,177.75
Total surplus	26,145.09	9,407.29	111,369.06	14,507.05	17,177.75
Total liabilities, reserves and surplus	61,703.19	15,707.94	266,266.17	30,563.87	28,780.50
Percentage of net debt to total assets	0.2	29.6	36.1	35.1	1.8



“A”—Continued

Hydro Municipalities as at December 31, 1941

Finch 396	Hastings 823	Havelock 1,103	Iroquois 1,123	Kemptville 1,230	Kingston 26,741
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
		572.90	100.00	3,422.88	229,109.40
8,136.43	17,248.78	19,914.33	4,774.56	20,883.21	228,563.24
					198,497.36
					195,423.17
2,159.77	3,383.07	2,961.87	3,397.83	6,435.41	83,225.40
1,990.70	3,701.47	5,835.12	4,402.89	7,832.21	131,315.13
504.07	1,283.74	1,883.33	243.00	1,090.07	77,335.70
67.68	701.62	4,531.91	371.84	5,800.71	46,769.08
	1,733.13	2,420.45	575.00		17,665.40
12,858.65	28,051.81	38,119.91	13,865.12	45,464.49	1,207,903.88
374.92	641.99	2,094.33	1,750.72	993.06	985.06
3,500.00	4,500.00	14,000.00	1,000.00	22,000.00	251,175.00
106.62	729.82	118.33	165.19	1,578.97	36,658.33
				1,011.76	19,120.34
					25,026.33
4,298.06	3,609.94	12,042.21	341.33	20,490.23	61,806.97
					2,485.42
21,138.25	37,533.56	66,374.78	17,122.36	91,538.51	1,605,161.33
21,138.25	37,533.56	66,374.78	17,122.36	91,538.51	1,605,161.33
3,000.98	13,245.61	329.00		12,353.44	48,071.00
	0.65		399.92	241.88	324.78
					31,434.21
50.00	252.00		107.54	96.00	13,978.88
3,050.98	13,498.26	329.00	507.46	12,691.32	93,808.87
4,298.06	3,609.94	12,042.21	341.33	20,490.23	61,806.97
2,728.63	4,834.94	12,898.93	334.50	14,622.87	302,766.77
10.59					175,093.35
7,037.28	8,444.88	24,941.14	675.83	35,113.10	539,667.09
3,999.02	7,754.39	32,571.00		12,646.56	263,829.00
					25,026.33
7,050.97	7,836.03	8,533.64	15,939.07	31,087.53	682,830.04
11,049.99	15,590.42	41,104.64	15,939.07	43,734.09	971,685.37
21,138.25	37,533.56	66,374.78	17,122.36	91,538.51	1,605,161.33
18.1	39.8	0.6	3.0	17.8	6.2

## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality . . . . .	Lakefield	Lanark	Lancaster	Lindsay	Madoc
Population . . . . .	1,301	686	570	7,241	1,130
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .	3,137.97			10,777.68	100.00
Substation equipment . . . . .				3,176.56	
Distribution system—overhead . . . . .	23,372.16	6,941.61	8,777.90	102,516.08	11,836.20
Distribution system—underground . . . . .					
Line transformers . . . . .	6,667.86	1,688.69	2,002.25	28,909.55	3,496.56
Meters . . . . .	7,758.49	2,304.67	1,943.35	34,806.11	5,201.00
Street light equipment, regular . . . . .	1,896.05	747.54	650.65	10,334.23	1,577.14
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	4,122.12	48.60	1,068.55	2,548.63	117.71
Steam or hydraulic plant . . . . .					
Old plant . . . . .	3,445.25				
Total plant . . . . .	50,399.90	11,731.11	14,442.70	193,068.84	22,328.61
Bank and cash balance . . . . .	1,425.71	2,185.48	716.37	3,104.19	2,848.92
Securities and investments . . . . .	6,000.00	4,353.33	500.00	55,000.00	6,000.00
Accounts receivable . . . . .	140.80	1.50	71.90	298.69	88.91
Inventories . . . . .				332.78	
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	12,862.79	6,176.43	6,152.23	92,719.93	7,675.73
Other assets . . . . .					
Total assets . . . . .	70,829.20	24,447.85	21,883.20	344,524.43	38,942.17
Deficit . . . . .					
Total . . . . .	70,829.20	24,447.85	21,883.20	344,524.43	38,942.17
<b>LIABILITIES</b>					
Debenture balance . . . . .	17,075.30			60,360.80	
Accounts payable . . . . .			738.25		51.00
Bank overdraft . . . . .					
Other liabilities . . . . .	632.80	90.00	163.36	3,337.11	399.00
Total liabilities . . . . .	17,708.10	90.00	901.61	63,697.91	450.00
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	12,862.79	6,176.43	6,152.23	92,719.93	7,675.73
For depreciation . . . . .	14,894.27	4,254.55	2,972.03	47,860.90	2,279.47
Other reserves . . . . .					
Total reserves . . . . .	27,757.06	10,430.98	9,124.26	140,580.83	9,955.20
<b>SURPLUS</b>					
Debentures paid . . . . .	16,424.70	7,316.57	9,970.42	69,639.20	14,000.00
Local sinking fund . . . . .					
Operating surplus . . . . .	8,939.34	6,610.30	1,886.91	70,606.49	14,536.97
Total surplus . . . . .	25,364.04	13,926.87	11,857.33	140,245.69	28,536.97
Total liabilities, reserves and surplus . . . . .	70,829.20	24,447.85	21,883.20	344,524.43	38,942.17
Percentage of net debt to total assets . . . . .	30.5	0.5	5.7	25.3	1.4

## “A”—Continued

## Hydro Municipalities as at December 31, 1941

Marmora 1,004	Martin- town P.V.	Maxville 811	Millbrook 749	Morris- burg 1,484	Napanee 3,241	Newcastle 701
\$ c.	\$ c. 126.15	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	.....	407.79	.....	5,000.00	9,825.49	107.37
13,910.83	2,840.45	11,859.30	6,067.86	4,457.21	180.27	.....
.....	.....	.....	.....	11,917.41	47,051.60	14,857.30
3,808.11	709.39	2,240.79	758.45	5,080.80	11,669.07	4,012.74
4,042.21	1,061.45	2,851.47	1,829.92	7,166.35	18,531.09	3,718.90
1,193.23	354.94	1,950.24	595.65	795.00	4,586.53	876.40
.....	.....	.....	.....	.....	.....	.....
2,160.44	690.21	2,462.07	79.92	348.12	3,222.25	641.35
.....	.....	.....	.....	.....	.....	.....
573.62	.....	.....	.....	27,733.82	.....	.....
.....	.....	.....	.....	.....	.....	.....
25,688.44	5,782.59	21,771.66	9,331.80	62,498.71	95,066.30	24,214.06
.....	.....	.....	.....	.....	.....	.....
3,225.43	1,025.58	1,712.87	3,086.84	1,119.95	.....	.....
1,000.00	2,000.00	3,500.00	.....	6,000.00	7,000.00	.....
109.26	89.46	275.00	52.10	89.42	4,869.13	287.94
157.00	.....	.....	.....	.....	7,797.31	.....
.....	.....	.....	.....	.....	.....	.....
5,530.56	2,083.98	9,571.65	453.70	1,122.75	40,894.07	1,487.46
.....	.....	.....	.....	853.18	20.06	.....
.....	.....	.....	.....	.....	.....	.....
35,710.69	10,981.61	36,831.18	12,924.44	71,684.01	155,646.87	25,989.46
.....	.....	.....	.....	.....	.....	.....
35,710.69	10,981.61	36,831.18	12,924.44	71,684.01	155,646.87	25,989.46
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	7,177.65	21,525.92	.....	.....
.....	15.06	.....	1.66	355.41	.....	5.02
.....	.....	.....	.....	.....	2,557.83	303.18
220.00	5.00	120.00	190.82	853.18	921.95	.....
.....	.....	.....	.....	.....	.....	.....
220.00	20.06	120.00	7,370.13	22,734.51	3,479.78	308.20
.....	.....	.....	.....	.....	.....	.....
5,530.56	2,083.98	9,571.65	453.70	1,122.75	40,894.07	1,487.46
5,304.33	2,368.38	7,293.41	555.67	2,159.24	13,143.36	10,065.72
.....	81.02	370.26	.....	31,296.54	.....	.....
.....	.....	.....	.....	.....	.....	.....
10,834.89	4,533.38	17,235.32	1,009.37	34,578.53	54,037.43	11,553.18
.....	.....	.....	.....	.....	.....	.....
17,666.11	6,000.00	16,000.00	1,822.35	13,047.36	70,000.00	14,000.00
.....	.....	.....	.....	.....	.....	.....
6,989.69	428.17	3,475.86	2,722.59	1,323.61	28,129.66	128.08
.....	.....	.....	.....	.....	.....	.....
24,655.80	6,428.17	19,475.86	4,544.94	14,370.97	98,129.66	14,128.08
.....	.....	.....	.....	.....	.....	.....
35,710.69	10,981.61	36,831.18	12,924.44	71,684.01	155,646.87	25,989.46
.....	.....	.....	.....	.....	.....	.....
0.7	0.2	0.4	59.0	32.2	3.0	1.2



## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Norwood	Omemees	Orono	Oshawa
Population.....	710	630	P.V.	25,035
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....				62,098.55
Substation equipment.....	457.53	360.32		1,565.29
Distribution system—overhead.....	23,512.31	13,602.53	5,152.00	259,776.31
Distribution system—underground.....				
Line transformers.....	4,035.13	4,419.01	1,026.77	74,724.12
Meters.....	5,403.33	3,700.53	1,779.46	126,392.69
Street light equipment, regular.....	1,886.92	805.48	529.46	17,857.71
Street light equipment, ornamental.....				
Miscellaneous construction expense.....	3,842.04	1,702.42	295.97	70,218.38
Steam or hydraulic plant.....				
Old plant.....	2,447.51			6,431.65
Total plant.....	41,584.77	24,590.29	8,783.66	619,064.70
Bank and cash balance.....	2,124.75	520.98	4,040.38	400.00
Securities and investments.....	14,000.00	6,000.00		
Accounts receivable.....	952.31	127.95	34.96	68,420.96
Inventories.....				20,035.81
Sinking fund on local debentures.....				
Equity in H-E.P.C. systems.....	5,913.85	379.83	521.11	515,383.90
Other assets.....	404.78			53.09
Total assets.....	64,980.46	31,619.05	13,380.11	1,223,358.46
Deficit.....				
Total.....	64,980.46	31,619.05	13,380.11	1,223,358.46
<b>LIABILITIES</b>				
Debenture balance.....	16,994.82		6,529.22	90,000.00
Accounts payable.....			144.20	77,902.69
Bank overdraft.....				15,838.37
Other liabilities.....	404.78	236.80		27,553.12
Total liabilities.....	17,399.60	236.80	6,673.42	211,294.18
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	5,913.85	379.83	521.11	515,383.90
For depreciation.....	15,914.54	11,173.07	378.40	98,814.36
Other reserves.....			775.38	4,669.00
Total reserves.....	21,828.39	11,552.90	1,674.89	618,867.26
<b>SURPLUS</b>				
Debentures paid.....	20,105.18	12,000.00	1,470.78	220,000.00
Local sinking fund.....				
Operating surplus.....	5,647.29	7,829.35	3,561.02	173,197.02
Total surplus.....	25,752.47	19,829.35	5,031.80	393,197.02
Total liabilities, reserves and surplus.....	64,980.46	31,619.05	13,380.11	1,223,358.46
Percentage of net debt to total assets.....	29.5	0.7	51.9	29.8

## "A"—Continued

## Hydro Municipalities as at December 31, 1941

Ottawa 150,277	Perth 4,197	Peter- borough 24,400	Picton 3,400	Port Hope 4,997	Prescott 2,930	Richmond 428
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
487,414.25	5,109.34	78,638.66	10,896.49	11,691.21	2,761.54	.....
857,906.74	6,961.44	124,548.59	2,004.66	3,100.00	.....	.....
886,584.45	49,092.18	313,730.07	41,767.47	56,234.00	42,362.29	6,820.25
297,255.92	.....	.....	.....	.....	.....	.....
399,658.86	26,012.92	130,886.48	13,890.62	19,420.03	17,255.33	1,279.53
309,872.49	23,769.79	117,368.14	19,444.17	26,835.18	20,650.73	1,435.68
124,662.85	4,734.53	60,043.68	10,521.97	3,608.73	2,302.03	194.48
.....	.....	.....	.....	.....	.....	.....
39,832.85	4,780.27	91,671.91	4,124.60	5,523.37	2,200.29	618.64
.....	.....	.....	.....	.....	.....	.....
.....	23,361.94	29,771.74	.....	.....	.....	.....
3,403,188.41	143,822.41	946,659.27	102,649.98	126,412.52	87,532.21	10,348.58
.....	.....	.....	.....	.....	.....	.....
267,934.87	12,640.49	150.00	1,519.13	691.07	581.62	1,128.74
390,000.00	69,145.75	.....	16,000.00	12,000.00	3,000.00	.....
100,502.00	4,037.37	89,883.01	1,308.17	275.42	5,378.38	94.44
49,778.44	10,686.90	26,163.61	6,447.77	2,564.42	.....	.....
443,097.49	.....	402,424.93	.....	.....	.....	.....
179,022.17	68,884.70	302,639.20	52,235.23	55,152.39	48,260.84	2,847.30
.....	1.32	.....	3,755.83	.....	.....	.....
4,833,523.38	309,218.94	1,767,920.02	183,916.11	197,095.82	144,753.05	14,419.06
.....	.....	.....	.....	.....	.....	.....
4,833,523.38	309,218.94	1,767,920.02	183,916.11	197,095.82	144,753.05	14,419.06
.....	.....	.....	.....	.....	.....	.....
425,906.82	36,441.76	527,920.00	.....	.....	.....	3,163.72
62,836.53	7.00	29,657.84	22.94	2,553.48	3,638.59	.....
.....	.....	28,744.19	.....	.....	.....	.....
.....	2,785.73	200.00	3,755.83	5,618.41	375.53	149.00
488,743.35	39,234.49	586,522.03	3,778.77	8,171.89	4,014.12	3,312.72
.....	.....	.....	.....	.....	.....	.....
179,022.17	68,884.70	302,639.20	52,235.23	55,152.39	48,260.84	2,847.30
1,499,904.86	64,158.61	161,697.96	19,347.91	22,594.39	50,682.77	2,440.59
367,538.91	809.52	1,408.13	968.91	.....	.....	52.84
2,046,465.94	133,852.83	465,745.29	72,552.05	77,746.78	98,943.61	5,340.73
.....	.....	.....	.....	.....	.....	.....
554,093.18	71,958.24	50,000.00	5,730.32	79,000.00	12,170.99	3,336.28
443,097.49	.....	402,424.93	.....	.....	.....	.....
1,301,123.42	64,173.38	263,227.77	101,854.97	32,177.15	29,624.33	2,429.33
2,298,314.09	136,131.62	715,652.70	107,585.29	111,177.15	41,795.32	5,765.61
4,833,523.38	309,218.94	1,767,920.02	183,916.11	197,095.82	144,753.05	14,419.06
1.1	16.3	17.3	2.9	0.5	4.2	28.6

## STATEMENT

## Balance Sheets of Electrical Departments of

**EASTERN ONTARIO  
SYSTEM—Concluded**

Municipality . . . . .	Russell	Smiths Falls	Stirling	Trenton	Tweed
Population . . . . .	P.V.	7,741	947	7,636	1,181
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings . . . . .		20,430.85	8,522.88	5,139.41	
Substation equipment . . . . .		4,765.59	7,949.55	29,317.62	
Distribution system—overhead . . . . .	8,215.46	92,929.32	7,053.76	114,649.60	15,150.80
Distribution system—underground . . . . .					
Line transformers . . . . .	1,495.50	38,510.90	4,854.60	26,768.58	4,131.37
Meters . . . . .	1,854.97	37,704.11	5,327.42	35,709.05	5,779.14
Street light equipment, regular . . . . .	589.70	9,539.26	3,203.33	15,956.24	2,220.11
Street light equipment, ornamental . . . . .					
Miscellaneous construction expense . . . . .	1,262.77	7,971.29	613.77	7,442.49	
Steam or hydraulic plant . . . . .					
Old plant . . . . .					
Total plant . . . . .	13,418.40	211,851.32	37,525.31	234,982.99	27,281.42
Bank and cash balance . . . . .	826.75	3,146.58	8,903.36	17,435.93	1,764.85
Securities and investments . . . . .	5,000.00	73,480.00	3,443.27	10,000.00	4,000.00
Accounts receivable . . . . .	771.46	923.92	895.67	1,110.15	530.59
Inventories . . . . .		45.00	743.99	7,080.24	390.80
Sinking fund on local debentures . . . . .					
Equity in H-E.P.C. systems . . . . .	5,562.47	100,208.98	8,586.69	75,059.39	9,344.67
Other assets . . . . .					
Total assets . . . . .	25,579.08	389,655.80	60,098.29	345,668.70	43,312.33
Deficit . . . . .					
Total . . . . .	25,579.08	389,655.80	60,098.29	345,668.70	43,312.33
<b>LIABILITIES</b>					
Debenture balance . . . . .	2,933.09	1,023.19		25,219.33	5,236.29
Accounts payable . . . . .	73.94	392.13		398.93	106.07
Bank overdraft . . . . .					
Other liabilities . . . . .	10.00	452.98	370.13	5,879.06	285.19
Total liabilities . . . . .	3,017.03	1,868.30	370.13	31,497.32	5,627.55
<b>RESERVES</b>					
For equity in H-E.P.C. systems . . . . .	5,562.47	100,208.98	8,586.69	75,059.39	9,344.67
For depreciation . . . . .	3,619.34	102,868.19	7,214.40	42,957.24	3,697.79
Other reserves . . . . .		592.40			448.20
Total reserves . . . . .	9,181.81	203,669.57	15,801.09	118,016.63	13,490.66
<b>SURPLUS</b>					
Debentures paid . . . . .	7,066.91	132,714.14	10,000.00	139,780.67	13,763.71
Local sinking fund . . . . .					
Operating surplus . . . . .	6,313.33	51,403.79	33,927.07	56,374.08	10,430.41
Total surplus . . . . .	13,380.24	184,117.93	43,927.07	196,154.75	24,194.12
Total liabilities, reserves and surplus . . . . .	25,579.08	389,655.80	60,098.29	345,668.70	43,312.33
Percentage of net debt to total assets . . . . .	15.1	0.6	0.7	11.6	16.6



“A”—Continued

Hydro Municipalities as at December 31, 1941

Warkworth P.V.	Wellington 948	Westport 725	Whitby 4,236	Williams- burgh P.V.	Winchester 1,017	EASTERN ONTARIO SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	200.00	.....	6,619.20	.....	299.85	1,122,587.88
.....	499.80	.....	34,288.16	.....	.....	1,445,719.32
5,697.62	15,223.75	7,349.21	61,508.17	3,431.14	10,421.63	3,140,621.82
.....	.....	.....	.....	.....	.....	492,679.09
850.80	4,235.20	1,015.48	15,430.96	1,978.92	4,392.15	1,160,503.08
2,116.05	6,003.54	1,794.62	20,481.25	2,391.10	5,804.50	1,278,977.81
338.08	1,349.61	706.11	12,478.33	174.61	719.87	478,002.50
.....	.....	.....	.....	.....	.....	.....
609.19	897.68	1,409.72	9,435.02	141.58	348.97	376,855.43
.....	.....	.....	.....	.....	.....	46,965.86
3,618.02	2,477.92	1,713.00	1,340.13	.....	1,100.00	148,024.62
.....	.....	.....	.....	.....	.....	.....
13,229.76	30,887.50	13,988.14	161,581.22	8,117.35	23,086.97	9,690,937.41
.....	.....	.....	.....	.....	.....	.....
790.06	702.78	173.98	.....	831.45	2,784.15	417,085.52
2,500.00	7,500.00	5,000.00	7,000.00	21,000.00	9,000.00	1,245,577.35
81.47	207.69	0.02	4,497.49	347.80	86.20	386,224.29
.....	.....	.....	369.02	.....	.....	189,309.54
.....	.....	.....	.....	.....	.....	870,548.75
3,834.87	9,911.28	4,664.16	49,909.82	6,259.54	19,597.35	2,440,518.23
.....	.....	.....	35.47	.....	.....	8,684.89
.....	.....	.....	.....	.....	.....	.....
20,436.16	49,209.25	23,826.30	223,393.02	36,556.14	54,554.67	15,248,885.98
.....	.....	.....	.....	.....	.....	.....
20,436.16	49,209.25	23,826.30	223,393.02	36,556.14	54,554.67	15,248,885.98
.....	.....	.....	.....	.....	.....	.....
7,074.51	4,199.79	8,726.32	14,862.80	.....	2,067.97	1,538,749.13
14.65	.....	.....	360.75	8.27	781.80	209,195.73
.....	.....	.....	16.75	.....	.....	79,831.78
14.00	50.25	180.00	1,655.08	399.16	10.00	94,808.30
.....	.....	.....	.....	.....	.....	.....
7,103.16	4,250.04	8,906.32	16,895.38	407.43	2,859.77	1,922,584.94
.....	.....	.....	.....	.....	.....	.....
3,834.87	9,911.28	4,664.16	49,909.82	6,259.54	19,597.35	2,440,518.23
3,063.52	11,541.77	2,113.46	.....	3,799.72	10,740.44	2,926,528.21
.....	.....	.....	30,533.16	358.04	.....	634,270.64
.....	.....	.....	.....	.....	.....	.....
6,898.39	21,453.05	6,777.62	80,442.98	10,417.30	30,337.79	6,001,317.08
.....	.....	.....	.....	.....	.....	.....
3,925.49	12,800.21	6,273.68	61,749.70	2,750.00	8,582.03	2,698,100.26
.....	.....	.....	.....	.....	.....	870,548.75
2,509.12	10,705.95	1,868.63	64,304.96	22,981.41	12,775.08	3,756,334.95
.....	.....	.....	.....	.....	.....	.....
6,434.61	23,506.16	8,142.36	126,054.66	25,731.41	21,357.11	7,324,983.96
.....	.....	.....	.....	.....	.....	.....
20,436.16	49,209.25	23,826.30	223,393.02	36,556.14	54,554.67	15,248,885.98
.....	.....	.....	.....	.....	.....	.....
42.8	10.8	46.5	9.7	1.3	8.2	8.8

## STATEMENT

## Balance Sheets of Electrical Departments of

**THUNDER BAY  
SYSTEM**

Municipality.....	Fort William 24,843	Nipigon Twp.	Port Arthur 23,790	THUNDER BAY SYSTEM SUMMARY
Population.....				
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	86,326.42	215.03	466,814.46	553,355.91
Substation equipment.....	146,638.63		310,294.87	456,933.50
Distribution system—overhead.....	218,317.45	18,492.42	507,290.89	744,100.76
Distribution system—underground.....				
Line transformers.....	95,459.08	4,337.11	105,517.94	205,314.13
Meters.....	91,940.56	4,139.95	114,141.22	210,221.73
Street light equipment, regular.....	46,292.65	2,436.86	82,451.67	131,181.18
Street light equipment, ornamental.....				
Miscellaneous construction expense.....	21,039.06	219.60	37,609.40	58,868.06
Steam or hydraulic plant.....			325,003.44	325,003.44
Old plant.....	293,762.46			293,762.46
Total plant.....	999,776.31	29,840.97	1,949,123.89	2,978,741.17
Bank and cash balance.....		2,066.72	20,818.37	22,885.09
Securities and investments.....	62,500.00		576,670.70	639,170.70
Accounts receivable.....	27,108.61	174.43	90,807.46	118,090.50
Inventories.....	18,805.82		27,969.93	46,775.75
Sinking fund on local debentures.....	95,574.54		12,277.24	107,851.78
Equity in H-E.P.C. systems.....	630,460.69	5,255.82	2,074,621.13	2,710,337.64
Other assets.....	921.21			921.21
Total assets.....	1,835,147.18	37,337.94	4,752,288.72	6,624,773.84
Deficit.....				
Total.....	1,835,147.18	37,337.94	4,752,288.72	6,624,773.84
<b>LIABILITIES</b>				
Debenture balance.....	250,000.00	2,330.44	13,000.00	265,330.44
Accounts payable.....	38,823.91	762.43	170,095.94	209,682.28
Bank overdraft.....	25,137.36			25,137.36
Other liabilities.....	27,986.20			27,986.20
Total liabilities.....	341,947.47	3,092.87	183,095.94	528,136.28
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	630,460.69	5,255.82	2,074,621.13	2,710,337.64
For depreciation.....	162,989.87	3,795.98	610,721.01	777,506.86
Other reserves.....	23,059.15		96,795.64	119,854.79
Total reserves.....	816,509.71	9,051.80	2,782,137.78	3,607,699.29
<b>SURPLUS</b>				
Debentures paid.....	417,650.00	7,669.56	629,100.00	1,054,419.56
Local sinking fund.....	95,574.54		12,277.24	107,851.78
Operating surplus.....	163,465.46	17,523.71	1,145,677.76	1,326,666.93
Total surplus.....	676,690.00	25,193.27	1,787,055.00	2,488,938.27
Total liabilities, reserves and surplus.....	1,835,147.18	37,337.94	4,752,288.72	6,624,773.84
Percentage of net debt to total assets.....	22.2	9.6	6.4	11.0

“A”—Concluded

Hydro Municipalities as at December 31, 1941

NORTHERN ONTARIO DISTRICTS

Capreol 1,660	North Bay 16,013	Sioux Lookout 1,967	Sudbury 31,875	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
450.00	59,225.77		73,127.45	132,803.22	11,488,173.96
9,730.32	71,129.08		117,081.45	197,940.83	24,896,262.26
13,603.79	145,105.15	9,247.18	366,737.64	534,693.76	25,228,363.52
					6,391,399.25
5,179.17	39,497.81	3,553.01	101,822.34	150,052.33	11,817,440.89
5,233.61	80,033.14	5,872.78	128,713.16	219,852.69	10,644,655.81
1,126.26	28,161.23	1,698.95	109,908.22	140,894.66	2,940,055.38
					1,540,369.82
779.28	16,838.22	962.50	15,768.47	34,348.47	4,366,893.41
					445,118.58
					1,329,860.41
36,102.43	439,990.38	21,334.42	913,158.73	1,410,585.96	101,088,593.29
1,593.25	26,701.21	682.67	22,548.76	51,525.89	2,991,173.27
2,000.00	38,500.00		123,500.00	164,000.00	8,368,139.57
600.42	12,465.16	318.37	21,426.64	34,810.59	4,116,252.29
	9,646.63		22,618.11	32,264.74	1,984,025.53
					5,530,647.79
					52,458,225.18
	222.28			222.28	226,034.26
40,296.10	527,525.66	22,335.46	1,103,252.24	1,693,409.46	176,763,091.18
					26,461.78
40,296.10	527,525.66	22,335.46	1,103,252.24	1,693,409.46	176,789,552.96
	231,500.00		108,583.48	340,083.48	17,805,415.36
75.96	6,316.23	176.38	28,861.27	35,429.84	3,088,145.27
					302,744.63
385.00	25,874.73	2,389.66	35,788.58	64,437.97	2,987,132.70
460.96	263,690.96	2,566.04	173,233.33	439,951.29	24,183,437.96
					52,458,225.18
4,871.00	198,057.85	904.90	77,148.68	280,982.43	27,795,985.72
133.88	1,782.97	100.00	65,777.48	67,794.33	3,592,384.90
5,004.88	199,840.82	1,004.90	142,926.16	348,776.76	83,846,595.80
19,000.00	8,500.00		358,755.05	386,255.05	39,943,340.75
15,830.26	55,493.88	18,764.52	428,337.70	518,426.36	5,530,647.79
					23,285,530.66
34,830.26	63,993.88	18,764.52	787,092.75	904,681.41	68,759,519.20
40,296.10	527,525.66	22,335.46	1,103,252.24	1,693,409.46	176,789,552.96
1.1	50.0	11.5	15.7	26.0	14.6



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM

Municipality .....	Acton	Agincourt	Ailsa Craig 487	Alvinston	Amherst- burg 2,704
Population .....	1,903	P.V.		649	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service .....	12,429.84	5,473.22	2,653.63	4,112.67	22,677.54
Commercial light service .....	5,488.67	1,328.71	1,305.34	2,009.70	8,800.82
Commercial power service .....	27,648.09	984.36	1,101.11	198.06	6,077.62
Municipal power .....	684.55			320.88	
Street lighting .....	2,024.31	756.00	696.00	1,580.00	2,315.88
Merchandise .....					93.04
Miscellaneous .....	397.57	306.93	299.61	183.54	216.91
Total earnings .....	48,673.03	8,849.22	6,055.69	8,404.85	40,181.81
EXPENSES					
Power purchased .....	39,714.73	6,236.84	5,066.62	5,096.18	28,000.95
Substation operation .....					
Substation maintenance .....					
Distribution system, operation and maintenance .....	3,021.53	65.26	65.79	98.54	837.93
Line transformer maintenance .....	100.27	41.19			
Meter maintenance .....	523.57	104.96	46.39	131.74	213.68
Consumers' premises expenses .....	456.32	258.20			1,768.82
Street lighting, operation and main- tenance .....	298.01	73.89	36.30	62.55	399.59
Promotion of business .....					317.50
Billing and collecting .....	786.88	427.82	312.00	459.27	1,048.10
General office, salaries and expenses .....	481.15	133.66	77.37	190.08	789.51
Undistributed expenses .....	108.87		19.72	33.28	110.33
Truck operation and maintenance .....	84.81				173.43
Interest .....				93.86	723.04
Sinking fund and principal payments on debentures .....					2,002.71
Depreciation .....	1,654.00	475.00	536.00	815.00	2,677.00
Other reserves .....					
Total operating costs and fixed charges .....	47,230.14	7,816.82	6,160.19	6,980.50	39,062.59
Net surplus .....	1,442.89	1,032.40		1,424.35	1,119.22
Net loss .....			104.50		
NUMBER OF CONSUMERS					
Domestic service .....	535	161	152	190	689
Commercial light service .....	92	26	35	52	130
Power service .....	17	3	4	2	15
Total .....	644	190	191	244	834

“B”

Hydro Municipalities for Year Ended December 31, 1941

Ancaster Twp.	Arkona 403	Aylmer 1,985	Ayr 748	Baden P.V.	Beachville P.V.	Beamsville 1,227
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
12,234.70	3,155.99	11,933.23	5,826.94	3,714.56	3,716.10	10,790.74
3,239.94	1,747.05	10,483.80	1,960.71	2,117.30	664.19	5,363.26
883.05	138.97	5,677.70	696.49	6,409.83	15,045.62	2,000.07
307.87						
1,085.05	1,072.00	2,788.00	1,192.00	738.00	517.00	2,083.77
		957.04	45.00	61.23	222.79	230.72
17,750.61	6,114.01	31,839.77	9,721.14	13,040.92	20,165.70	20,468.56
9,106.43	3,312.99	20,780.22	6,910.72	9,432.34	17,027.10	9,708.11
1,640.92	201.44	1,039.77	560.21	194.66	496.33	321.20
100.55		122.05			16.91	16.86
480.98	15.45	336.55		69.15	80.28	14.81
296.09		199.22	166.47	293.91		414.61
347.85	54.09	423.24	78.95	69.79	61.07	153.00
		199.49				
1,122.98	217.45	829.88	455.80	286.93	373.25	742.19
671.28	94.15	1,099.31	84.94	178.36	138.13	679.16
41.89		188.79	9.25	5.75		5.59
		272.79				
507.60	271.43	552.42	198.82	15.49	28.23	834.59
731.03	864.35	1,058.85	516.59	309.77	329.56	1,416.56
1,214.00	436.00	2,065.00	765.00	557.00	825.00	1,414.00
16,261.60	5,467.35	29,167.58	9,746.75	11,413.15	19,375.86	15,720.68
1,489.01	646.66	2,672.19		1,627.77	789.84	4,747.88
			25.61			
358	111	723	237	156	186	377
42	35	157	43	34	22	73
6	1	13	5	3	4	4
406	147	893	285	193	212	454

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Belle River 836	Blenheim 1,873	Blyth 662	Bolton 629	Bothwell 683
Population . . . . .					
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service . . . . .	4,780.77	9,473.95	3,809.78	4,402.20	2,839.61
Commercial light service . . . . .	2,767.08	8,970.80	2,233.23	1,952.53	1,982.76
Commercial power service . . . . .	98.36	3,578.61	693.91	2,353.72	810.29
Municipal power . . . . .	1,541.71	1,670.05		126.35	141.52
Street lighting . . . . .	1,034.00	2,627.00	1,580.00	1,070.52	1,225.02
Merchandise . . . . .		2.32			12.68
Miscellaneous . . . . .	84.97	710.00	104.80	267.50	479.89
Total earnings . . . . .	10,306.89	27,032.73	8,421.72	10,172.82	7,491.77
<b>EXPENSES</b>					
Power purchased . . . . .	5,653.32	16,480.85	5,036.24	6,444.05	4,876.71
Substation operation . . . . .					
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	657.80	641.52	474.75	612.12	178.51
Line transformer maintenance . . . . .	61.39	100.32			
Meter maintenance . . . . .	253.33	727.15	195.75	68.36	55.46
Consumers' premises expenses . . . . .	24.00	305.87	4.30	538.33	
Street lighting, operation and main- tenance . . . . .	188.38	556.02	124.91	86.46	189.38
Promotion of business . . . . .		17.40			
Billing and collecting . . . . .	568.56	1,420.60	286.50		165.28
General office, salaries and expenses . . . . .	92.21	1,370.19	134.90	599.65	124.02
Undistributed expenses . . . . .	18.08	241.46	37.81		6.85
Truck operation and maintenance . . . . .					
Interest . . . . .		448.76	66.87	111.83	76.65
Sinking fund and principal payments on debentures . . . . .		760.02	1,215.86	508.51	271.44
Depreciation . . . . .	984.00	2,225.00	594.00	716.00	645.00
Other reserves . . . . .					
Total operating costs and fixed charges . . . . .	8,501.07	25,295.16	8,171.89	9,685.31	6,589.30
Net surplus . . . . .	1,805.82	1,737.57	249.83	487.51	902.47
Net loss . . . . .					
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	264	557	183	185	186
Commercial light service . . . . .	45	139	49	41	55
Power service . . . . .	2	14	4	10	7
Total . . . . .	311	710	236	236	248



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Brampton 5,702	Brantford 30,947	Brantford Twp.	Bridgeport P.V.	Brigden P.V.	Brussels 784	Burford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
43,373.21	177,747.10	25,668.83	5,085.45	2,333.44	4,705.72	4,919.93
20,406.45	82,418.20	4,119.66	1,064.32	2,063.00	3,028.94	1,615.50
20,984.57	253,781.53	6,365.57	175.76	596.59	914.07	1,015.54
3,125.47	7,629.40					
6,623.18	33,729.56	3,996.25	876.00	841.99	1,296.00	670.08
111.84	6,768.01	479.67		78.85	319.26	285.01
94,624.72	562,073.80	40,629.98	7,201.53	5,913.87	10,263.99	8,506.06
72,911.09	425,721.83	26,837.64	3,564.09	3,762.61	5,537.32	5,633.25
153.48	7,210.07					
	1,544.86					
1,619.26	7,987.93	2,017.66	132.38	292.48	373.96	208.25
83.53	1,269.85	169.16				70.10
581.11	5,579.41	281.59	43.80	142.89	163.04	41.53
2,119.04	17,080.05	68.34	60.64			96.04
1,090.92	4,558.87	726.67	187.62	126.66	157.76	90.70
	25.00					
1,793.52	9,560.87	2,233.44	398.27	338.96		538.15
1,724.23	10,679.42	1,278.39	22.82	136.67	676.28	134.78
136.74	4,087.35	10.32	5.00	24.88	9.47	5.63
323.93	2,025.49					
96.67	2,595.00	9.80	290.81		260.75	
	15,750.00		855.40		1,496.53	
6,044.00	37,663.00	3,364.00	616.00	528.00	807.00	633.00
88,677.52	553,339.00	36,997.01	6,176.83	5,353.15	9,482.11	7,451.43
5,947.20	8,734.80	3,632.97	1,024.70	560.72	781.88	1,054.63
1,563	8,054	1,138	186	121	247	206
259	1,227	46	21	39	70	40
53	200	7	2	4	4	2
1,875	9,481	1,191	209	164	321	248

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality.....	Burgess ville P.V.	Caledonia	Campbell- ville P.V.	Cayuga	Chatham
Population.....		1,425		700	17,148
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	1,716.80	7,050.93	1,536.04	3,953.31	98,205.69
Commercial light service.....	786.67	5,586.15	848.91	3,944.97	100,022.01
Commercial power service.....	210.47	1,888.27		766.97	90,444.83
Municipal power.....					7,027.87
Street lighting.....	312.00	1,944.96	400.00	1,491.99	19,888.51
Merchandise.....					3,371.44
Miscellaneous.....	33.00	268.70	87.97	60.56	1,174.48
Total earnings.....	3,058.94	16,739.01	2,872.92	10,217.80	320,134.83
<b>EXPENSES</b>					
Power purchased.....	1,744.70	10,544.91	1,715.11	4,999.22	170,886.62
Substation operation.....					6,643.10
Substation maintenance.....					4,694.52
Distribution system, operation and maintenance.....	136.96	1,458.42	33.88	330.88	9,239.79
Line transformer maintenance.....		129.92		4.00	1,681.05
Meter maintenance.....	75.72	549.88		189.70	7,308.55
Consumers' premises expenses.....	19.63	129.41			6,363.57
Street lighting, operation and main- tenance.....	56.69	423.00	32.17	191.26	5,853.58
Promotion of business.....		192.05		7.96	7,392.80
Billing and collecting.....		910.46		555.77	8,078.41
General office, salaries and expenses.....	158.59	1,011.50	125.19	438.36	15,012.39
Undistributed expenses.....	0.77	130.71		72.68	7,834.91
Truck operation and maintenance.....		314.87			2,968.37
Interest.....	0.38		78.31	333.33	7,164.83
Sinking fund and principal payments on debentures.....			409.93	1,350.95	13,756.22
Depreciation.....	271.00	902.00	156.00	869.00	20,756.00
Other reserves.....				50.00	
Total operating costs and fixed charges.....	2,464.44	16,697.13	2,550.59	9,393.11	295,634.71
Net surplus.....	594.50	41.88	322.33	824.69	24,500.12
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	57	438	56	179	4,340
Commercial light service.....	17	100	10	65	804
Power service.....	2	8		6	103
Total.....	76	546	66	250	5,247

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Chippawa 1,228	Clifford 491	Clinton 1,879	Comber P.V.	Cottam P.V.	Courtright 344	Dashwood P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,366.81	2,735.04	13,874.73	2,204.96	2,560.33	1,416.97	2,035.51
3,211.43	2,037.02	8,326.85	1,953.92	1,601.37	804.65	1,147.71
49.43	546.25	4,733.91	2,003.46	192.24		1,176.24
1,169.11		1,114.06			974.71	
1,833.13	1,032.00	2,766.22	726.00	480.00	645.00	484.02
		332.16				
245.39	70.33	624.67	271.30	257.66		113.29
14,875.30	6,420.64	31,772.60	7,159.64	5,091.60	3,841.33	4,956.77
6,526.14	4,416.67	18,484.54	5,009.94	3,001.84	2,633.27	3,166.71
		122.97				
1,105.30	40.71	954.65	456.51	51.30	136.73	43.35
194.44		17.96	46.07	42.63		
683.35	18.00	263.24	174.37	39.57	67.72	140.49
323.40	57.18	461.08				6.74
361.46	45.96	229.12	92.97	42.85	49.70	
99.91						
694.51	402.32	911.73	219.77	420.80	193.88	174.46
699.18	12.30	1,507.92	181.10	28.00	17.40	40.95
189.07	7.56	91.49	15.60	10.71	6.03	8.08
205.97		349.91				
14.80	290.32			206.94	0.60	64.26
246.75	260.12			546.20		169.68
818.00	405.00	2,468.00	600.00	506.00	278.00	306.00
				43.54	11.11	
12,162.28	5,956.14	25,862.61	6,796.33	4,940.38	3,394.44	4,120.72
2,713.02	464.50	5,909.99	363.31	151.22	446.89	836.05
341	128	564	115	121	82	94
53	38	136	46	29	22	26
2	1	16	4	1	1	3
396	167	716	165	151	105	123



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	Delaware	Delhi	Dorchester P.V.	Drayton	Dresden
Population . . . . .	P.V.	2,430		521	1,525
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service . . . . .	2,117.62	11,393.69	2,757.63	3,454.31	7,020.08
Commercial light service . . . . .	734.64	10,730.96	1,013.28	2,080.74	6,401.76
Commercial power service . . . . .		7,290.15	584.30	1,209.58	3,532.55
Municipal power . . . . .					434.16
Street lighting . . . . .	276.00	2,447.64	740.00	960.00	2,219.28
Merchandise . . . . .					1,485.32
Miscellaneous . . . . .	35.24	676.74	117.53	222.50	202.42
Total earnings . . . . .	3,163.50	32,539.18	5,212.74	7,927.13	21,295.57
<b>EXPENSES</b>					
Power purchased . . . . .	2,251.14	14,278.48	3,535.15	5,205.99	13,186.03
Substation operation . . . . .					
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	88.92	1,574.68	169.63	193.98	1,667.47
Line transformer maintenance . . . . .		112.14	0.75	4.13	
Meter maintenance . . . . .		105.74	68.58	212.19	630.72
Consumers' premises expenses . . . . .		592.97	50.00	44.07	366.02
Street lighting, operation and maintenance . . . . .	15.87	216.04	111.85	98.74	240.86
Promotion of business . . . . .	135.13	137.75	40.00		11.70
Billing and collecting . . . . .	142.59	1,574.61	152.07		836.02
General office, salaries and expenses . . . . .	56.61	1,495.72	51.90	397.12	927.77
Undistributed expenses . . . . .		67.53		12.47	49.17
Truck operation and maintenance . . . . .		439.72			442.96
Interest . . . . .	46.09	3,099.32	60.14	231.17	
Sinking fund and principal payments on debentures . . . . .	214.12	3,058.55	219.58	458.99	
Depreciation . . . . .	200.00	1,523.00	483.00	716.00	1,036.00
Other reserves . . . . .					
Total operating costs and fixed charges . . . . .	3,150.47	28,276.25	4,942.65	7,574.85	19,394.72
Net surplus . . . . .	13.03	4,262.93	270.09	352.28	1,900.85
Net loss . . . . .					
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	66	581	154	165	445
Commercial light service . . . . .	15	146	29	67	129
Power service . . . . .		6	2	5	11
Total . . . . .	81	733	185	237	585

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Drumbo P.V.	Dublin P.V.	Dundas 5,001	Dunnville 3,916	Dutton 830	East York Twp.	Elmira 2,068
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,483.51	1,183.20	24,462.48	15,587.53	3,232.58	222,153.55	15,914.23
1,056.12	731.56	13,587.01	16,797.22	2,470.90	31,861.81	8,909.11
703.25	1,499.39	32,522.53	14,505.58	3,463.59	41,897.03	6,168.75
		404.83	2,895.73		5,179.75	1,000.92
533.00	550.00	5,664.00	3,669.09	1,037.94	22,945.00	2,041.00
			19.92			
96.94	19.50	632.13	756.70	279.36	51.35	1,360.99
4,872.82	3,983.65	77,272.98	54,231.77	10,484.37	324,088.49	35,395.00
3,001.10	3,037.82	54,327.91	27,973.60	8,292.55	189,139.05	22,992.15
		583.95	438.60		840.59	
256.81	48.35	5,577.21	3,502.75	343.05	7,280.83	1,566.13
		199.16	156.62	12.01	175.65	168.95
30.42	90.85	2,193.03	618.55	106.22	5,225.15	508.39
	40.61	666.83		6.30	6,444.51	334.33
153.62	137.95	444.30	290.93	218.47	2,814.19	150.73
		328.91	4.90	2.80	45.00	48.57
240.71		1,134.75	924.07	472.75	15,714.30	792.10
39.40	280.71	2,666.79	1,615.68	151.70	13,478.49	986.15
1.17	7.98	114.17	211.55	21.76	708.65	147.41
		711.14	292.06			192.38
51.90		403.91	1,648.87		8,637.60	582.15
240.83		3,149.12	3,912.06		21,001.10	2,431.04
385.00	380.00	5,496.00	4,400.00	755.00	17,633.00	2,701.00
4,400.96	4,024.27	77,997.18	45,990.24	10,382.61	289,138.11	33,601.48
471.86			8,241.53	101.76	34,950.38	1,793.52
	40.62	724.20				
92	58	1,269	998	228	10,637	542
28	21	190	223	63	491	121
1	2	37	28	10	47	20
121	81	1,496	1,249	301	11,175	683

# STATEMENT

## Detailed Operating Reports of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality .....	Elora	Embro	Erieau	Erie Beach †21	Essex
Population .....	1,185	420	*281		1,886
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service .....	8,212.28	3,350.55	4,064.76	1,719.77	8,410.74
Commercial light service .....	4,620.91	1,298.38	1,540.88	291.10	8,269.01
Commercial power service .....	4,329.97	78.89	480.99		7,660.83
Municipal power .....					1,474.23
Street lighting .....	1,353.68	636.00	504.00		2,348.17
Merchandise .....					
Miscellaneous .....	445.04	68.85	0.24		729.17
Total earnings .....	18,961.88	5,432.67	6,590.87	2,010.87	28,892.15
<b>EXPENSES</b>					
Power purchased .....	12,642.16	3,744.39	4,147.58	864.04	17,423.07
Substation operation .....					
Substation maintenance .....					
Distribution system, operation and maintenance .....	1,130.72	236.93	213.90	29.26	487.91
Line transformer maintenance .....			33.31	8.03	10.90
Meter maintenance .....	51.25	172.94	155.83	77.06	110.39
Consumers' premises expenses .....	40.00	34.35	24.73		84.82
Street lighting, operation and main- tenance .....	187.06	141.30	91.02		419.79
Promotion of business .....	63.24	160.00			30.85
Billing and collecting .....	826.84	289.40	401.97	187.04	1,197.78
General office, salaries and expenses .....	547.63	122.85	434.36	151.74	1,901.65
Undistributed expenses .....	154.03	1.35	17.36	0.53	203.13
Truck operation and maintenance .....	236.38				391.78
Interest .....			107.74	65.67	816.53
Sinking fund and principal payments on debentures .....			517.94	222.80	731.59
Depreciation .....	1,395.00	600.00	526.00	115.00	2,380.00
Other reserves .....					
Total operating costs and fixed charges .....	17,274.31	5,503.51	6,671.74	1,721.17	26,190.19
Net surplus .....	1,687.57			289.70	2,701.96
Net loss .....		70.84	80.87		
<b>NUMBER OF CONSUMERS</b>					
Domestic service .....	351	118	191	83	515
Commercial light service .....	72	37	15	3	129
Power service .....	3	1	2		21
Total .....	426	156	208	86	665

\*Summer Population 1,031.

†Summer Population 321.



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Etobicoke Twp	Exeter 1,654	Fergus 2,759	Fonthill 860	Forest 1,562	Forest Hill 12,172	Galt 14,584
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
175,352.29	12,465.82	20,592.39	5,306.52	12,954.45	206,124.88	108,271.45
35,327.15	7,176.61	9,413.50	1,851.70	7,483.39	29,088.15	53,766.31
26,903.13	3,244.57	21,381.04	301.55	4,072.69	2,665.29	148,209.61
6,273.65	523.19	703.54	229.42	1,286.94	580.20	4,323.43
13,955.49	2,790.89	2,490.00	1,358.00	2,456.21	8,533.55	15,346.50
	297.64			689.34		2,003.94
565.68	910.22	45.00	45.31	698.68	2,039.10	2,909.25
258,377.39	27,408.94	54,625.47	9,092.50	29,641.70	249,031.17	334,830.49
164,924.04	17,894.99	36,281.44	4,616.41	18,932.88	157,775.76	241,068.78
						5,095.28
					3,358.17	370.80
9,227.45	997.67	2,273.16	609.35	2,276.03	6,900.27	4,927.21
911.28	149.97	391.40	19.48		142.08	279.18
1,439.72	181.89	659.20	107.55	222.80	1,144.83	1,506.90
9,620.28	205.86	523.24	128.08	1,565.88	5,171.22	6,116.95
785.83	523.56	410.86	81.04	386.36	534.62	1,714.29
		35.01		89.01		5,150.25
8,879.72	1,001.60	973.37	584.65	846.01	4,789.34	4,233.78
5,912.49	1,399.74	933.82	159.78	1,004.45	6,867.83	5,635.45
2,558.25	39.23	161.42	38.80	121.23	1,171.84	2,336.66
1,150.43	228.11	434.09		176.45	718.16	590.99
5,809.61		518.02	425.29	210.43	11,100.19	2,767.70
13,791.91		1,572.97	1,213.76	1,171.91	14,192.44	25,700.91
15,957.00	1,959.00	2,110.00	645.00	1,874.00	12,696.00	29,643.00
240,968.01	24,581.62	47,278.00	8,629.19	28,877.44	226,562.75	337,138.13
17,409.38	2,827.32	7,347.47	463.31	764.26	22,468.42	
						2,307.64
5,169	498	753	272	480	3,315	4,078
282	122	109	36	130	238	500
41	14	12	3	20	24	112
5,492	634	874	311	630	3,577	4,690

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	George- town	Glencoe	Goderich	Granton	Guelph
Population . . . . .	2,452	763	4,674	P.V.	22,500
<b>EARNINGS</b>					
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	20,180.43	5,280.46	33,856.82	2,188.79	116,546.10
Commercial light service . . . . .	8,915.29	4,156.67	17,779.18	1,056.66	60,175.80
Commercial power service . . . . .	32,733.04	1,588.86	14,196.20		127,993.00
Municipal power . . . . .	729.11	1,690.12	3,160.54		15,399.57
Street lighting . . . . .	2,900.00	2,006.80	4,508.00	370.23	19,451.44
Merchandise . . . . .		88.11	458.14		
Miscellaneous . . . . .	632.85	260.86	786.93	162.50	2,511.88
Total earnings . . . . .	66,090.72	15,071.88	74,745.81	3,778.18	342,077.79
<b>EXPENSES</b>					
Power purchased . . . . .	49,220.67	8,634.40	48,074.66	2,722.55	260,985.67
Substation operation . . . . .			1,573.00		
Substation maintenance . . . . .					3,009.59
Distribution system, operation and maintenance . . . . .	1,928.28	1,234.59	2,143.23	264.99	7,053.09
Line transformer maintenance . . . . .	500.27	12.30	252.02	7.83	888.87
Meter maintenance . . . . .	708.90	161.29	778.11	172.80	4,014.97
Consumers' premises expenses . . . . .	558.32		413.30	65.74	1,335.99
Street lighting, operation and main- tenance . . . . .	390.35	145.50	688.32	22.26	4,428.50
Promotion of business . . . . .					
Billing and collecting . . . . .	1,624.33	781.51	1,938.43	325.39	6,555.96
General office, salaries and expenses . . . . .	1,105.20	595.39	1,553.99	52.12	13,801.14
Undistributed expenses . . . . .	144.62	222.22	85.11	6.00	806.12
Truck operation and maintenance . . . . .	444.45		468.64		
Interest . . . . .	233.03		1,611.12	64.82	
Sinking fund and principal payments on debentures . . . . .	1,219.95		3,321.37	189.95	
Depreciation . . . . .	2,502.00	1,320.00	7,178.00	313.00	20,282.00
Other reserves . . . . .					
Total operating costs and fixed charges . . . . .	60,580.37	13,107.20	70,079.30	4,207.45	323,161.90
Net surplus . . . . .	5,510.35	1,964.68	4,666.51		18,915.89
Net loss . . . . .				429.27	
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	783	222	1,303	86	5,550
Commercial light service . . . . .	134	81	247	28	793
Power service . . . . .	28	9	20		134
Total . . . . .	945	312	1,570	114	6,477

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Hagersville 1,369	Hamilton 155,511	Harriston 1,292	Harrow 1,092	Hensall 686	Hespeler 3,037
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,718.26	894,646.18	7,418.57	10,580.79	4,627.18	17,381.11
6,157.40	518,706.93	5,230.73	5,287.77	2,226.51	5,442.65
17,150.78	2,528,571.07	5,981.44	3,738.11	3,077.32	54,737.99
.....	79,233.29	384.06	.....	.....	990.39
2,170.00	124,507.78	1,606.50	1,455.00	1,008.00	3,200.50
.....	.....	.....	190.91	.....	.....
1,098.85	73,381.30	231.29	15.18	364.52	1,399.98
33,295.29	4,219,046.55	20,852.59	21,267.76	11,303.53	83,152.62
25,721.56	3,119,688.38	13,473.10	16,434.79	7,753.62	64,705.52
.....	72,440.04	.....	.....	.....	406.36
.....	9,741.27	.....	.....	.....	.....
2,377.84	33,427.84	1,320.00	173.17	670.12	3,871.55
234.97	7,445.42	36.45	13.67	.....	129.25
412.47	31,495.04	181.81	104.76	12.22	420.88
59.80	44,076.84	358.46	519.69	42.92	1,335.24
384.02	15,385.16	264.36	203.47	148.58	602.19
70.00	28,300.50	.....	98.00	.....	127.21
727.29	68,221.33	793.66	832.12	262.50	1,075.62
635.34	58,159.13	416.89	525.55	310.62	1,393.98
47.63	29,552.53	28.16	45.73	4.83	552.44
363.68	.....	79.20	.....	.....	407.82
53.15	105,260.55	256.57	56.58	189.00	999.07
337.16	301,684.38	763.64	828.94	499.05	2,733.20
1,451.00	157,851.20	1,335.00	1,161.00	887.00	3,439.00
.....	.....	.....	.....	.....	.....
32,875.91	4,082,729.61	19,307.30	20,997.47	10,780.46	82 199.33
419.38	136,316.94	1,545.29	270.29	523.07	953.29
.....	.....	.....	.....	.....	.....
391	40,810	385	325	217	808
120	5,314	103	82	59	97
13	1,295	12	7	14	28
524	47,419	500	414	290	933



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality	Highgate	Humberstone	Ingersoll	Jarvis	Kingsville
Population	322	2,831	5,756	536	2,453
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service	1,690.82	10,597.65	32,631.00	2,933.52	14,601.74
Commercial light service	832.18	3,711.77	17,234.14	2,186.23	8,754.58
Commercial power service	1,164.65	4,676.56	39,814.09	3,420.19	4,971.84
Municipal power	30.00		1,515.74		1,173.39
Street lighting	567.00	1,663.12	4,841.52	858.00	2,884.44
Merchandise			360.42		
Miscellaneous	117.65	729.52	532.91	252.52	1,309.12
Total earnings	4,402.30	21,378.62	96,929.82	9,650.46	33,695.11
<b>EXPENSES</b>					
Power purchased	2,963.93	11,352.96	71,912.72	6,706.10	19,494.69
Substation operation			504.41		
Substation maintenance					
Distribution system, operation and maintenance	95.48	1,279.26	3,347.00	139.13	1,648.43
Line transformer maintenance	1.50	56.60	532.15		40.35
Meter maintenance	140.63	445.92	717.43		575.38
Consumers' premises expenses			1,247.52		173.29
Street lighting, operation and maintenance	64.41	113.51	691.74	61.31	785.77
Promotion of business			764.94		60.00
Billing and collecting	308.50	875.70	1,478.44	527.32	1,874.05
General office, salaries and expenses	135.94	298.32	3,799.74	54.14	1,367.48
Undistributed expenses	11.28	18.27	517.26	7.61	409.79
Truck operation and maintenance		183.30	303.51		387.20
Interest		480.00	202.09	130.38	1,357.27
Sinking fund and principal payments on debentures		2,000.00	606.32	748.26	1,076.44
Depreciation	513.00	1,344.00	5,039.00	554.00	2,585.00
Other reserves					
Total operating costs and fixed charges	4,234.67	18,447.84	91,714.27	8,928.25	31,835.14
Net surplus	167.63	2,930.78	5,215.55	722.21	1,859.97
Net loss					
<b>NUMBER OF CONSUMERS</b>					
Domestic service	102	712	1,505	150	630
Commercial light service	36	73	223	45	157
Power service	6	8	47	3	20
Total	144	793	1,775	198	807

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Kitchener 33,281	Lambeth P.V.	La Salle 907	Leamington 6,048	Listowel 2,984	London 75,176
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
235,966.18	3,350.37	7,566.64	27,362.01	18,003.67	569,223.31
147,522.32	1,331.27	1,546.44	19,333.05	12,973.85	238,446.77
379,445.48	18.41	283.20	17,280.31	17,488.17	466,696.09
23,838.42	495.55	.....	2,208.44	1,094.94	34,655.59
32,239.06	763.00	804.00	5,699.89	4,505.04	56,265.62
.....	.....	2.01	.....	.....	7,891.35
210.00	62.50	88.30	1,242.95	660.48	31,128.85
819,221.46	6,021.10	10,290.59	73,126.65	54,726.15	1,404,307.58
603,083.60	4,306.74	6,883.69	50,493.08	39,671.63	920,491.92
12,677.05	.....	.....	.....	80.92	14,106.45
1,278.01	.....	.....	.....	.....	18,124.23
8,694.55	99.48	206.68	2,060.93	2,515.00	15,607.94
803.76	12.81	7.64	99.63	111.10	3,033.11
5,157.51	49.02	368.94	794.05	481.19	23,638.16
17,024.21	58.28	222.25	531.49	317.40	37,274.49
7,577.47	110.57	70.98	1,185.43	752.95	11,501.67
1,397.84	.....	7.33	47.00	68.32	19,201.28
13,120.66	287.13	429.89	1,825.03	1,110.95	26,532.82
13,372.32	37.53	162.31	3,271.88	830.24	31,861.41
3,198.49	.....	5.20	718.48	97.14	16,036.90
.....	.....	.....	365.07	308.41	7,523.87
9,378.69	7.63	349.05	.....	.....	22,658.21
39,085.25	.....	1,009.82	.....	.....	38,414.31
45,228.00	508.00	1,170.00	4,885.00	3,742.00	126,928.97
.....	.....	.....	165.46	.....	6,152.89
781,077.41	5,477.19	10,893.78	66,442.53	50,087.25	1,339,088.63
38,144.05	543.91	.....	6,684.12	4,638.90	65,218.95
.....	.....	603.19	.....	.....	.....
8,281	134	243	1,599	785	18,571
1,111	23	14	276	157	2,015
263	3	2	36	24	453
9,655	160	259	1,911	966	21,039

STATEMENT  
Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality . . . . .	London Twp.	Long Branch 5,147	Lucan 643	Lynden P.V.	Markham 1,197
Population . . . . .					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	14,149.52	31,600.12	4,684.17	2,586.66	7,947.95
Commercial light service . . . . .	2,082.82	7,015.06	2,433.41	759.23	3,312.51
Commercial power service . . . . .	1,806.92	1,672.55	1,370.24	834.73	2,886.62
Municipal power . . . . .		1,108.90			361.71
Street lighting . . . . .	1,454.40	4,266.48	1,467.68	440.00	1,698.00
Merchandise . . . . .					
Miscellaneous . . . . .	129.02	243.47	137.57	31.06	347.10
Total earnings . . . . .	19,622.68	45,906.58	10,093.07	4,651.68	16,553.89
EXPENSES					
Power purchased . . . . .	14,440.63	24,781.31	5,743.00	3,569.63	11,181.23
Substation operation . . . . .					
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	721.19	3,289.60	355.44	61.73	1,221.54
Line transformer maintenance . . . . .		181.95	8.10	4.50	
Meter maintenance . . . . .	452.74	527.74	354.25	12.87	109.90
Consumers' premises expenses . . . . .	644.29	740.97	333.04	6.00	202.28
Street lighting, operation and main- tenance . . . . .	324.62	539.82	187.04	48.41	155.00
Promotion of business . . . . .					42.00
Billing and collecting . . . . .	861.04	2,827.94	510.49		822.62
General office, salaries and expenses . . . . .	504.10	2,239.96	424.95	215.18	176.71
Undistributed expenses . . . . .		788.65	39.49	30.84	12.60
Truck operation and maintenance . . . . .					141.86
Interest . . . . .	291.28	385.78	105.63	72.64	
Sinking fund and principal payments on debentures . . . . .	779.21	2,130.28	382.26	236.64	
Depreciation . . . . .	1,202.00	2,948.00	805.00	357.00	1,033.00
Other reserves . . . . .					
Total operating costs and fixed charges . . . . .	20,221.10	41,382.00	9,248.69	4,615.44	15,098.74
Net surplus . . . . .		4,524.58	844.38	36.24	1,455.15
Net loss . . . . .	598.42				
NUMBER OF CONSUMERS					
Domestic service . . . . .	455	1,501	177	101	334
Commercial light service . . . . .	20	99	51	17	72
Power service . . . . .	5	7	6	2	9
Total . . . . .	480	1,607	234	120	415



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Merlin	Merritton	Milton	Milverton	Mimico	Mitchell	Moorefield
P.V.	2,916	1,915	994	7,194	1,670	P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,587.08	15,133.73	12,993.02	5,130.07	60,948.58	13,017.73	992.95
2,292.78	3,710.32	6,949.90	4,272.81	11,440.43	6,343.69	1,333.89
802.40	171,295.58	26,073.79	3,178.55	5,272.21	4,785.80	42.79
.....	2,007.74	.....	516.20	8,391.77	1,094.72	.....
795.36	3,331.52	2,141.96	1,035.00	8,337.44	2,590.25	350.00
.....	.....	.....	.....	.....	1,078.69	.....
531.72	513.99	1,454.51	172.93	1,880.05	293.23	37.62
.....	.....	.....	.....	.....	.....	.....
7,009.34	195,992.88	49,613.18	14,305.56	96,270.48	29,204.11	2,757.25
.....	.....	.....	.....	.....	.....	.....
3,635.98	159,247.16	36,473.30	9,650.50	55,591.15	18,448.99	1,879.99
.....	415.19	.....	.....	355.69	.....	.....
.....	.....	276.82	.....	.....	39.96	.....
330.62	2,665.61	2,845.55	759.98	7,372.17	1,082.86	32.30
.....	67.89	40.68	.....	54.19	133.66	.....
10.42	726.40	531.78	252.02	1,740.86	354.04	10.20
96.36	18.35	419.41	74.38	1,526.27	583.44	.....
.....	.....	.....	.....	.....	.....	.....
42.46	601.96	291.88	168.22	897.24	842.01	51.71
.....	.....	.....	.....	.....	.....	.....
243.69	1,898.82	896.44	692.74	3,280.49	878.31	.....
235.42	1,929.12	1,228.04	435.89	1,490.88	1,310.04	119.05
1.67	155.81	77.57	16.65	308.41	436.29	5.65
.....	288.67	337.91	.....	443.11	541.24	.....
106.32	382.23	164.42	.....	2,303.65	.....	0.75
.....	.....	.....	.....	.....	.....	.....
1,070.77	2,307.66	1,074.11	.....	7,156.06	.....	.....
.....	.....	.....	.....	.....	.....	.....
486.00	4,168.00	2,700.00	855.00	7,145.00	3,671.00	256.00
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
6,259.71	174,872.87	47,357.91	12,905.38	89,665.17	28,321.84	2,355.65
.....	.....	.....	.....	.....	.....	.....
749.63	21,120.01	2,255.27	1,400.18	6,605.31	882.27	401.60
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
124	846	530	256	2,053	508	55
50	69	103	75	172	125	30
2	18	16	10	20	22	1
.....	.....	.....	.....	.....	.....	.....
176	933	649	341	2,245	655	86

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality .....	Mount Brydges P.V.	Newbury 288	New Hamburg 1,441	New Toronto 7,514	Niagara Falls 18,770
Population .....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service .....	2,958.98	1,260.35	10,559.05	40,823.27	133,612.24
Commercial light service .....	1,142.21	585.78	4,981.08	20,813.91	74,541.74
Commercial power service .....	967.61	306.07	7,190.99	246,833.16	87,066.80
Municipal power .....				13,332.13	14,070.49
Street lighting .....	844.00	720.00	2,217.00	7,767.44	26,935.73
Merchandise .....			114.33		
Miscellaneous .....	255.95	38.98	269.71	2,891.39	3,280.15
Total earnings .....	6,168.75	2,911.18	25,332.16	332,461.30	339,507.15
EXPENSES					
Power purchased .....	3,463.45	1,241.70	16,305.61	271,990.57	180,352.29
Substation operation .....			223.57		10,111.52
Substation maintenance .....			43.49		
Distribution system, operation and maintenance .....	62.39	136.92	834.56	6,811.57	7,344.13
Line transformer maintenance .....	45.80		83.44	156.69	1,044.38
Meter maintenance .....	153.20	40.16	396.06	1,860.98	6,218.64
Consumers' premises expenses .....	19.46		147.76	135.74	3,677.47
Street lighting, operation and main- tenance .....	39.44	66.17	252.30	992.15	1,827.18
Promotion of business .....					
Billing and collecting .....	250.47	60.00	776.30	3,216.31	7,387.95
General office, salaries and expenses .....	77.76	91.70	1,154.08	8,053.68	11,376.05
Undistributed expenses .....	5.00	10.76	264.13	1,044.53	9,356.86
Truck operation and maintenance .....			206.54	690.86	1,992.22
Interest .....	55.93	38.50		70.86	7,260.63
Sinking fund and principal payments on debentures .....	234.39	700.00		449.55	33,390.79
Depreciation .....	450.00	402.00	1,685.00	7,464.00	30,605.00
Other reserves .....					
Total operating costs and fixed charges .....	4,857.29	2,787.91	22,372.84	302,937.49	311,945.11
Net surplus .....	1,311.46	123.27	2,959.32	29,523.81	27,562.04
Net loss .....					
NUMBER OF CONSUMERS					
Domestic service .....	150	70	372	1,908	4,818
Commercial light service .....	35	19	94	223	777
Power service .....	5	1	15	35	109
Total .....	190	90	481	2,166	5,704

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Niagara-on-the-Lake 1,764	North York Twp.	Norwich 1,301	Oil Springs 541	Otterville P.V.	Palmerston 1,400	Paris 4,427
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
16,501.12	208,705.29	8,724.30	1,846.51	2,473.13	8,596.44	25,047.60
10,938.23	37,091.77	4,671.27	1,486.78	2,121.47	5,405.06	8,699.22
635.18	62,835.29	1,868.41	6,016.89	508.36	5,244.23	22,461.21
1,443.73	7,403.20				1,294.98	
3,669.26	4,137.31	2,211.65	642.58	896.28	2,628.00	5,555.50
245.24		513.15	4.70			
504.85	2,684.82	205.17	365.21	50.00	2,439.59	1,310.28
33,937.61	322,857.68	18,193.95	10,362.67	6,049.24	25,608.30	63,073.81
16,455.71	173,869.34	11,461.58	6,799.83	3,455.09	17,580.78	43,960.13
463.18					336.95	963.75
					79.64	
1,784.59	19,009.77	2,098.87	702.07	484.86	366.91	4,672.85
188.39	931.57	72.89	122.59	30.78	110.54	301.48
256.58	2,327.58	255.29	154.48	151.94	355.05	939.82
274.16	3,609.55	168.17	20.00		713.17	463.41
546.06	1,023.66	335.37	98.96	226.03	347.11	1,512.06
		130.00				
1,696.74	8,113.72	590.83	624.94	322.77	724.55	1,357.73
1,725.11	8,107.29	608.92	157.97	222.46	456.53	1,036.76
102.09	644.27	262.35	10.22	5.00	57.39	247.52
537.71	5,449.16	312.24			286.80	608.36
723.83	14,902.24	60.09		3.07	55.98	186.26
1,472.88	30,451.22	835.26			400.09	1,068.94
2,428.00	19,490.00	1,112.00	1,003.00	620.00	1,641.00	6,254.00
28,655.03	287,929.37	18,303.86	9,694.06	5,522.00	23,512.49	63,573.07
5,282.58	34,928.31		668.61	527.24	2,095.81	
		109.91				499.26
579	5,907	369	102	142	397	1,173
112	418	91	33	48	103	192
11	44	8	34	4	14	25
702	6,369	468	169	194	514	1,390



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality . . . . .	Parkhill	Petrolia	Platts- ville P.V.	Point Edward 1,175	Port Colborne 6,772
Population . . . . .	1,029	2,772			
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	6,039.98	13,088.80	2,645.74	6,203.60	31,583.28
Commercial light service . . . . .	3,550.43	9,108.59	1,388.70	2,412.03	18,603.48
Commercial power service . . . . .	935.43	25,349.80	1,942.70	42,290.86	21,105.70
Municipal power . . . . .	606.56				7,769.46
Street lighting . . . . .	1,592.38	2,820.00	408.00	1,802.64	8,701.43
Merchandise . . . . .		408.02		126.00	2,858.44
Miscellaneous . . . . .	142.30	622.93	91.05	570.78	1,601.65
Total earnings . . . . .	12,867.08	51,398.14	6,476.19	53,405.91	92,223.44
EXPENSES					
Power purchased . . . . .	9,359.68	31,531.77	4,280.20	48,066.50	45,810.48
Substation operation . . . . .					
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	317.64	4,555.73	1.41	277.36	4,834.35
Line transformer maintenance . . . . .		126.43		10.00	312.44
Meter maintenance . . . . .	183.71	840.19	129.39	132.39	1,806.56
Consumers' premises expenses . . . . .	173.18	222.11			90.79
Street lighting, operation and main- tenance . . . . .	201.14	464.25	16.60	229.57	2,560.46
Promotion of business . . . . .		55.38		15.00	52.75
Billing and collecting . . . . .	405.57	1,364.61	251.80	928.48	2,312.17
General office, salaries and expenses . . . . .	88.62	2,140.23	29.72	719.38	3,219.40
Undistributed expenses . . . . .	7.80	140.47	6.38	20.98	190.94
Truck operation and maintenance . . . . .		619.62			559.34
Interest . . . . .	59.69	565.61	60.42	195.58	1,979.51
Sinking fund and principal payments on debentures . . . . .	376.00	1,842.64	280.25	690.58	6,777.94
Depreciation . . . . .	945.00	3,911.00	357.00	1,409.00	6,064.00
Other reserves . . . . .					
Total operating costs and fixed charges . . . . .	12,118.03	48,380.04	5,413.17	52,694.82	76,571.13
Net surplus . . . . .	749.05	3,018.10	1,063.02	711.09	15,652.31
Net loss . . . . .					
NUMBER OF CONSUMERS					
Domestic service . . . . .	300	798	114	328	1,596
Commercial light service . . . . .	70	183	25	45	264
Power service . . . . .	5	59	2	9	25
Total . . . . .	375	1,040	141	382	1,885

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Port Credit 1,906	Port Dalhousie 1,599	Port Dover 1,790	Port Rowan 700	Port Stanley 1,268	Preston 6,337	Princeton P.V.
\$ c	\$ c	\$ c	\$ c	\$ c	\$ c	\$ c
17,844.86	18,873.34	10,033.66	2,938.84	15,767.37	34,775.76	2,602.83
7,721.87	4,128.31	5,277.86	2,066.72	4,868.94	22,553.70	1,059.82
3,686.74	5,803.68	4,607.88	117.56	2,739.43	55,450.87	1,744.91
1,158.85				872.48	1,213.24	
2,834.38	1,600.50	2,739.02	863.99	2,521.95	5,545.51	468.00
404.32	585.47	167.79	147.50	429.34	816.34	96.02
33,651.02	30,991.30	22,826.21	6,134.61	27,199.51	120,355.42	5,971.58
20,407.95	19,807.46	14,008.55	3,476.92	17,743.95	85,838.88	4,744.92
					4,941.84	
1,473.74	1,935.88	2,360.13	89.05	2,392.31	2,824.85	52.37
74.73	51.50	108.90	15.00	32.75	211.69	13.50
263.63	569.63	528.78	174.96	423.00	664.95	151.10
1,073.30	277.06	11.65		102.97	509.14	86.68
482.06	339.01	269.22	102.85	308.35	373.63	62.10
		80.00				
1,222.61	1,096.51	456.71	182.21	833.00	1,723.02	215.64
165.93	1,245.52	1,067.97	42.79	767.72	2,526.09	65.17
94.79	66.34	202.47	6.78	40.16	738.13	1.65
	398.70	289.77		513.33	405.12	
233.14	350.49	5.20	321.22	19.22	1,016.07	40.95
789.55	387.97		637.81	384.10	3,479.43	189.98
2,153.00	1,338.00	1,867.00	481.00	1,753.00	10,493.00	296.00
	200.00					
28,434.43	28,064.07	21,256.35	5,530.59	25,313.86	115,745.84	5,920.06
5,216.59	2,927.23	1,569.86	604.02	1,885.65	4,609.58	51.52
594	662	677	147	757	1,557	91
91	69	107	39	104	231	21
10	13	15	3	9	44	3
695	744	799	189	870	1,832	115

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Queenston	Richmond Hill	Ridge- town	Riverside	Rockwood
Population.....	P.V.	1,317	1,986	5,235	P.V.
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	3,558.13	10,199.32	9,277.96	40,070.36	4,256.59
Commercial light service.....	2,000.38	4,404.90	8,116.45	6,052.33	850.72
Commercial power service.....		1,995.14	4,428.58	2,880.31	192.91
Municipal power.....		386.07	1,186.20	3,111.14	
Street lighting.....	397.35	1,527.00	3,504.84	3,797.40	815.25
Merchandise.....			349.38	518.59	
Miscellaneous.....	94.54	36.84	787.58	753.63	51.22
Total earnings.....	6,050.40	18,549.27	27,650.99	57,183.76	6,166.69
EXPENSES					
Power purchased.....	2,950.07	12,870.42	17,697.91	32,202.43	3,595.33
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	95.67	676.51	1,413.43	2,165.66	174.30
Line transformer maintenance.....	2.64		56.67	234.80	
Meter maintenance.....	182.36	285.23	324.24	657.80	65.07
Consumers' premises expenses.....	96.39	591.94	504.31	1,093.36	90.00
Street lighting, operation and main- tenance.....	107.99	292.59	578.34	580.56	179.16
Promotion of business.....				170.00	
Billing and collecting.....	219.19	781.31	1,332.59	2,150.65	
General office, salaries and expenses.....	218.60	274.09	806.32	2,724.84	637.53
Undistributed expenses.....	5.63		147.79	415.64	2.00
Truck operation and maintenance.....			326.29	310.01	
Interest.....	60.59	44.31	192.76	1,113.40	83.31
Sinking fund and principal payments on debentures.....	735.30	280.94	570.06	5,993.43	117.29
Depreciation.....	465.00	717.00	1,836.00	4,879.00	596.00
Other reserves.....					
Total operating costs and fixed charges.....	5,139.43	16,814.34	25,786.71	54,691.58	5,539.99
Net surplus.....	910.97	1,734.93	1,864.28	2,492.18	626.70
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	84	388	589	1,433	172
Commercial light service.....	16	73	140	57	27
Power service.....		14	20	12	2
Total.....	100	475	749	1,502	201



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Rodney 758	St. Catharines 28,625	St. Clair Beach *138	St. George P.V.	St. Jacobs P.V.	St. Marys 4,009
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,407.95	162,450.88	2,622.98	3,202.31	3,988.45	27,901.55
2,509.52	103,578.30	2,581.63	1,569.14	1,754.81	10,880.96
1,946.82	336,935.15	283.70	2,389.60	4,568.22	22,021.79
1,275.00	27,277.49		511.00	430.00	3,270.67
59.98	3,536.98	154.50	155.34	182.45	4,925.25
9,199.27	633,778.80	5,642.81	7,827.39	10,923.93	436.49
6,444.53	471,887.22	3,687.55	5,049.59	8,567.17	69,436.71
	7,108.92				43,148.77
					1,823.72
					484.49
500.63	17,807.81	245.53	113.47	130.99	2,637.87
13.50	1,778.08		5.25		290.57
99.13	9,724.25	58.34	20.00	24.50	1,082.65
	2,856.90	57.35			1,515.35
161.42	3,723.50		155.63	48.65	1,169.86
	575.17				95.96
319.85	14,948.16	257.71	500.99	396.28	1,354.02
449.31	11,769.31	93.20	113.08	223.10	2,103.49
16.26		1.47	7.59	6.90	218.93
	578.71				582.77
	9,216.67	40.10	80.13		1,202.08
	5,568.29	573.45	332.70		3,236.37
595.00	26,368.00	445.00	410.00	439.00	6,165.00
	5,000.00				200.00
8,599.63	588,910.99	5,459.70	6,788.43	9,836.59	67,311.90
599.64	44,867.81	183.11	1,038.96	1,087.34	2,124.81
249	7,684	89	150	136	1,035
74	1,042	7	35	29	170
6	216	1	1	7	41
329	8,942	97	186	172	1,246

\*Summer Population 288.

# STATEMENT

## Detailed Operating Reports of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality.....	St. Thomas	Sarnia	Scarborough Twp.	Seaforth
Population .....	16,461	17,979		1,782
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	134,560.58	98,054.87	119,233.16	11,148.23
Commercial light service.....	61,218.66	57,840.83	26,611.07	6,393.09
Commercial power service.....	61,168.61	190,167.15	18,480.17	4,340.98
Municipal power.....	7,454.01	4,531.39	14,813.35	664.14
Street lighting.....	14,961.54	20,370.66	15,667.70	2,039.00
Merchandise.....		2,566.18		
Miscellaneous.....	3,138.53	10,766.72		58.42
Total earnings.....	282,501.93	384,297.80	194,805.45	24,643.86
EXPENSES				
Power purchased.....	189,828.03	275,492.94	103,417.50	16,924.37
Substation operation.....	8,438.16	11,676.90	107.76	
Substation maintenance.....	870.26	1,005.23		85.62
Distribution system, operation and maintenance.....	9,665.01	8,283.06	8,457.08	1,086.64
Line transformer maintenance.....	554.98	776.32	1,416.04	109.85
Meter maintenance.....	2,666.57	5,358.47	3,224.11	402.47
Consumers' premises expenses.....	21,174.10	4,575.64	2,767.34	632.51
Street lighting, operation and main- tenance.....	3,001.13	5,841.00	2,043.70	470.72
Promotion of business.....	3,889.28	3,064.70		0.23
Billing and collecting.....	7,167.38	8,304.73	6,756.99	1,014.10
General office, salaries and expenses.....	9,346.04	10,528.21	4,681.63	1,037.17
Undistributed expenses.....	5,579.15	4,668.06	1,412.83	127.16
Truck operation and maintenance.....		1,607.14	1,410.29	459.63
Interest.....	613.42	645.28	2,953.30	
Sinking fund and principal payments on debentures.....	1,762.44	2,701.89	16,908.49	
Depreciation.....	17,881.00	23,225.00	15,898.00	2,349.00
Other reserves.....		511.46	38.94	
Total operating costs and fixed charges.....	282,436.95	368,266.03	171,494.00	24,699.47
Net surplus.....	64.98	16,031.77	23,311.45	
Net loss.....				55.61
NUMBER OF CONSUMERS				
Domestic service.....	4,524	4,827	5,369	506
Commercial light service.....	603	645	369	102
Power service.....	86	84	37	17
Total.....	5,213	5,556	5,775	625

## “B”—Continued

## Hydro Municipalities for Year Ended December 31, 9141

Simcoe 6,340	Smithville *P.V.	Springfield 382	Stamford Twp.	Stouffville 1,198	Stratford 17,163	Strathroy 2,834
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
27,230.88	4,194.66	1,975.82	64,674.79	6,941.01	138,305.80	21,491.71
31,856.59	3,086.29	843.63	15,225.36	4,039.18	58,541.46	12,372.36
27,608.15	2,904.98	891.65	16,149.48	934.19	60,089.11	10,558.47
1,637.15			1,143.01		9,512.49	1,340.36
5,144.43	1,447.00	611.50	8,208.00	1,397.00	17,113.77	4,095.96
381.63			1,959.58		1,422.19	70.61
2,073.72	111.57	91.87	1,128.90	476.72	9,035.17	1,071.25
95,932.55	11,744.50	4,414.47	108,489.12	13,788.10	294,019.99	51,000.72
61,912.75	5,995.37	2,619.60	43,313.09	9,227.40	183,407.10	36,066.13
373.28			646.81		5,779.54	390.56
3,846.59	684.14	302.45	8,132.57	498.82	7,013.87	1,120.00
110.84		32.97	279.10		407.65	162.69
1,583.67	65.80	132.04	2,221.19	116.18	2,547.88	487.51
227.53	40.17		3,751.43	92.39	8,030.63	1,091.80
663.83	205.32	67.17	739.38	250.48	4,984.35	562.28
102.37			318.26		1,465.41	393.99
2,872.80	885.65	500.02	2,861.29	772.03	7,005.04	895.60
2,412.64	178.54	47.18	4,839.13	378.57	9,012.17	2,301.44
191.84	23.80	5.63	1,364.34		3,272.63	458.65
1,017.20			1,981.07		1,719.54	888.88
1,522.08	346.89	118.87	4,257.81		13,950.00	1,139.14
4,439.82	707.97	258.87	11,683.68		6,824.05	2,185.84
5,171.00	418.00	417.00	8,530.00	735.00	26,697.00	4,301.00
					400.00	
86,448.24	9,551.65	4,501.80	94,919.15	12,070.87	285,285.69	52,445.51
9,484.31	2,192.85		13,569.97	1,717.23	8,734.30	
		87.33				1,444.79
1,613	186	108	2,099	380	4,443	820
383	54	33	166	87	586	165
44	5	3	19	5	117	30
2,040	245	144	2,284	472	5,146	1,015

\*13 months' operation.



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality . . . . .	Streets- ville 697	Sutton 949	Swansea 6,606	Tavistock 1,080	Tecumseh 2,237
Population . . . . .					
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service . . . . .	5,086.92	8,668.16	78,977.41	8,516.45	14,511.74
Commercial light service . . . . .	1,841.51	4,050.24	10,529.01	4,019.93	5,638.93
Commercial power service . . . . .	4,257.24	1,055.04	20,543.25	8,975.83	2,732.31
Municipal power . . . . .			2,555.49	447.07	
Street lighting . . . . .	1,358.50	2,203.34	4,942.19	1 317.60	1,378.00
Merchandise . . . . .					
Miscellaneous . . . . .	637.34	92.55	833.64	215.16	246.85
Total earnings . . . . .	13,181.51	16,069.33	118,380.99	23,492.04	24,507.83
<b>EXPENSES</b>					
Power purchased . . . . .	5,588.37	9,558.33	78,943.73	18,527.44	12,540.00
Substation operation . . . . .	1,309.58				
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	797.44	437.35	2,257.28	959.31	1,386.77
Line transformer maintenance . . . . .	19.20		42.50		32.62
Meter maintenance . . . . .	198.14	47.60	1,192.76	167.89	582.15
Consumers' premises expenses . . . . .		213.20	1,721.96	317.31	280.78
Street lighting, operation and main- tenance . . . . .	124.88	218.24	395.98	259.51	440.65
Promotion of business . . . . .					
Billing and collecting . . . . .	703.32	542.34	3,356.40	718.97	932.93
General office, salaries and expenses . . . . .	322.29	267.47	3,010.98	393.98	1,300.56
Undistributed expenses . . . . .	25.64	34.65	369.46	27.43	89.88
Truck operation and maintenance . . . . .		251.90	756.10		486.91
Interest . . . . .	556.00	250.08	2,650.60	99.08	177.87
Sinking fund and principal payments on debentures . . . . .	567.39	2,066.61	3,284.49	291.24	2,194.54
Depreciation . . . . .	991.00	1,178.00	5,439.00	1,227.00	1,855.00
Other reserves . . . . .			184.15		
Total operating costs and fixed charges . . . . .	11,203.25	15,065.77	103,605.39	22,989.16	22,300.66
Net surplus . . . . .	1,978.26	1,003.56	14,775.60	502.88	2,207.17
Net loss . . . . .					
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	198	453	2,036	298	640
Commercial light service . . . . .	50	77	99	96	54
Power service . . . . .	6	3	16	9	3
Total . . . . .	254	533	2,151	403	697

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Thamesford P.V.	Thames- ville 816	Thedford 598	Thorndale P.V.	Thorold 5,080	Tilbury 1,989	Tillsonburg 4,602
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,480.19	3,650.49	3,199.87	1,750.19	20,895.35	7,114.19	19,279.35
1,551.76	3,282.07	2,595.76	791.32	8,586.53	9,421.40	18,609.85
1,702.95	1,721.19	912.02	1,114.98	39,088.01	13,058.49	12,144.91
.....	179.47	.....	.....	2,069.90	225.00	1,562.85
517.00	1,337.76	1,065.00	384.00	3,563.40	1,876.07	5,049.54
.....	.....	.....	.....	.....	0.85	1,124.58
352.87	364.10	157.50	53.96	1,758.04	472.84	83.60
.....	.....	.....	.....	.....	.....	.....
7,604.77	10,535.08	7,930.15	4,094.45	75,961.23	32,168.84	57,854.68
.....	.....	.....	.....	.....	.....	.....
6,549.85	6,784.76	4,417.54	3,007.56	51,278.33	26,641.65	35,152.43
.....	.....	.....	.....	3,270.33	.....	1,001.54
.....	.....	.....	.....	.....	.....	.....
248.82	513.12	146.28	207.80	1,871.28	1,300.53	2,716.74
35.50	25.75	.....	33.44	194.95	29.73	138.11
125.80	65.87	24.20	89.52	469.33	433.30	559.93
101.16	6.00	.....	.....	167.73	49.81	44.11
.....	.....	.....	.....	.....	.....	.....
74.03	329.00	68.00	44.90	1,068.06	163.15	675.77
.....	.....	.....	.....	154.62	3.00	238.91
269.41	319.92	249.60	130.78	1,725.80	600.64	1,983.52
131.39	221.05	66.72	78.97	1,297.89	826.37	3,785.28
.....	21.31	8.09	.....	164.13	195.51	283.48
.....	.....	.....	.....	150.45	320.20	568.72
30.36	.....	81.50	34.00	.....	151.04	436.05
.....	.....	.....	.....	.....	.....	.....
169.80	.....	1,357.05	128.63	.....	575.45	1,804.52
.....	.....	.....	.....	.....	.....	.....
539.00	938.00	543.00	339.00	3,721.00	1,620.00	4,123.00
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
8,275.12	9,224.78	6,961.98	4,094.60	65,533.90	32,910.38	53,512.11
.....	.....	.....	.....	.....	.....	.....
.....	1,310.30	968.17	.....	10,427.33	.....	4,342.57
.....	.....	.....	.....	.....	.....	.....
670.35	.....	.....	0.15	.....	741.54	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
134	246	156	76	1,227	471	1,200
40	77	49	23	164	135	238
6	7	2	2	16	13	35
.....	.....	.....	.....	.....	.....	.....
180	330	207	101	1,407	619	1,473

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Toronto	Toronto	Trafalgar	Trafalgar
Population.....	648,098	Twp.	Twp. Area No. 1	Twp. Area No. 2
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,133,580.55	74,877.18	14,574.09	4,857.18
Commercial light service.....	3,009,350.20	23,929.11	568.16	764.39
Commercial power service.....	4,651,206.49	9,677.49	806.33	113.27
Municipal power.....	1,259,507.70			
Street lighting.....	464,318.82	5,374.21	*3,410.67	*1,131.04
Merchandise.....				
Miscellaneous.....	196,591.46	2,422.26	511.83	101.20
Total earnings.....	13,714,555.22	116,280.25	19,871.08	6,967.08
EXPENSES				
Power purchased.....	7,512,113.10	67,304.19	10,240.10	4,551.44
Substation operation.....	210,958.27			
Substation maintenance.....	242,629.23			
Distribution system, operation and maintenance.....	314,972.25	6,071.69	2,322.63	550.21
Line transformer maintenance.....	47,235.03	728.16		
Meter maintenance.....	109,166.12	1,484.89	226.19	146.00
Consumers' premises expenses.....	225,912.44	1,357.73		
Street lighting, operation and main- tenance.....	108,501.19	770.05		
Promotion of business.....	152,903.36			
Billing and collecting.....	414,185.21	5,214.68		
General office, salaries and expenses.....	355,860.16	6,633.45	1,546.92	596.68
Undistributed expenses.....	258,780.11	436.42	51.13	7.88
Truck operation and maintenance.....		1,950.88	603.73	
Interest.....	595,065.16	1,197.91	248.35	269.60
Sinking fund and principal payments on debentures.....	1,169,684.94	6,735.43	1,425.24	775.24
Depreciation.....	1,110,791.92	12,365.00	1,568.00	474.00
Other reserves.....				
Total operating costs and fixed charges.....	12,828,758.49	112,250.48	18,232.29	7,371.05
Net surplus.....	885,796.73	4,029.77	1,638.79	
Net loss.....				403.97
NUMBER OF CONSUMERS				
Domestic service.....	150,806	2,653	374	159
Commercial light service.....	24,362	180	4	17
Power service.....	5,036	34	9	1
Total.....	180,204	2,867	387	177

\*Highway Lighting.



“B”—Continued

Hydro Municipalities for Year Ending December 31, 1941

Wallaceburg	Wardsville	Waterdown	Waterford	Waterloo	Watford	Welland
4,802	221	867	1,294	8,690	1,023	11,568
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
21,480.65	1,574.56	5,246.59	6,358.72	68,795.44	8,183.17	60,349.10
15,325.23	1,072.56	1,542.49	3,083.68	28,299.84	3,336.04	41,264.47
67,002.97	49.54	1,214.53	6,227.42	44,582.60	4,324.47	238,250.59
1,671.97		99.06	268.73	3,811.48	327.81	1,679.28
4,847.04	720.00	1,096.58	1,498.00	7,908.20	1,620.96	12,040.84
2,876.43					78.96	
1,332.17	90.00	134.16	266.89	2,364.49	326.27	5,983.98
114,536.46	3,506.66	9,333.41	17,703.44	155,762.05	18,197.68	359,568.26
81,034.66	1,621.75	5,348.32	12,354.15	112,440.71	13,794.80	208,468.41
323.60				1,492.77		6,853.79
				434.73		985.39
3,685.18	196.17	407.25	1,287.03	3,916.47	892.07	3,886.21
248.80			79.83	886.54	14.27	1,605.01
1,407.32	7.11	140.50	173.78	1,438.24	175.66	3,980.07
50.68	44.16		34.20	2,665.37	366.78	2,665.36
903.76	83.78	183.05	297.82	904.22	170.33	1,898.66
92.96					6.90	225.00
2,014.16	110.00	546.11	776.07	3,961.82	571.02	4,480.01
4,155.78	29.91	157.34	392.19	2,563.56	790.93	10,841.25
1,055.37	13.00	32.32	39.22	200.02	36.33	563.96
756.45				664.87	194.81	1,281.19
1,255.12	42.26			105.87		6,620.19
4,241.72	657.82			2,349.81		9,902.61
6,237.00	319.00	932.00	1,271.00	11,855.00	1,112.00	17,253.53
263.70				350.00		
107,726.26	3,124.96	7,746.89	16,705.29	146,230.00	18,125.90	281,510.64
6,810.20	381.70	1,586.52	998.15	9,532.05	71.78	78,057.62
1,246	62	258	376	2,180	299	2,815
250	24	35	77	259	79	437
42	1	7	14	73	6	92
1,538	87	300	467	2,512	384	3,344

STATEMENT  
Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Concluded

Municipality . . . . .	Wellesley	West Lorne	Weston	Wheatley	Windsor
Population . . . . .	P.V.	768	5,289	761	103,571
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	2,453.71	3,242.79	53,448.02	3,929.74	709,174.98
Commercial light service . . . . .	1,647.38	2,378.79	13,442.57	3,341.33	416,301.38
Commercial power service . . . . .	1,281.89	3,879.52	60,361.89	2,559.96	671,747.74
Municipal power . . . . .			510.93	537.01	19,414.64
Street lighting . . . . .	660.00	1,060.02	7,498.67	1,786.32	107,831.76
Merchandise . . . . .		6.11			8,950.27
Miscellaneous . . . . .	109.12	113.28	23.19	350.00	624.01
Total earnings . . . . .	6,152.10	10,680.51	135,285.27	12,504.36	1,934,044.78
EXPENSES					
Power purchased . . . . .	3,892.51	6,964.96	100,713.49	7,175.59	1,150,972.43
Substation operation . . . . .					37,633.27
Substation maintenance . . . . .			419.20		14,625.24
Distribution system, operation and maintenance . . . . .	248.42	198.17	3,137.06	617.76	56,996.27
Line transformer maintenance . . . . .		14.68	38.90		12,363.87
Meter maintenance . . . . .	74.57	136.57	668.65	210.57	26,986.56
Consumers' premises expenses . . . . .	129.33	148.13	2,916.97	16.15	51,996.26
Street lighting, operation and main- tenance . . . . .	48.95	80.24	740.68	303.49	34,979.90
Promotion of business . . . . .				80.87	16,817.70
Billing and collecting . . . . .	231.71	552.71	1,297.13	518.11	53,724.19
General office, salaries and expenses . . . . .	253.97	268.36	3,316.23	145.68	46,971.32
Undistributed expenses . . . . .	6.17		386.31	73.23	13,947.36
Truck operation and maintenance . . . . .			517.64		
Interest . . . . .			1,188.93	162.98	11,453.19
Sinking fund and principal payments on debentures . . . . .			4,590.47	926.41	130,856.19
Depreciation . . . . .	442.00	835.00	6,693.00	837.00	132,716.00
Other reserves . . . . .					100,000.00
Total operating costs and fixed charges . . . . .	5,327.63	9,198.82	126,624.66	11,067.84	1,893,039.75
Net surplus . . . . .	824.47	1,481.69	8,660.61	1,436.52	41,005.03
Net loss . . . . .					
NUMBER OF CONSUMERS					
Domestic service . . . . .	140	219	1,538	232	24,711
Commercial light service . . . . .	44	52	182	73	3,227
Power service . . . . .	4	7	30	6	482
Total . . . . .	188	278	1,750	311	28,420

“B”—Continued

Hydro Municipalities for Year Ending December 31, 1941

Woodbridge 946	Woodstock 12,325	Wyoming 530	*York Twp.	York Twp.	Zurich P.V.	NIAGARA SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,023.09	79,710.74	2,509.44	519,866.11	546,273.00	3,627.25	11,136,880.39
2,351.38	47,389.13	1,553.37	83,339.68	82,095.06	3,085.89	6,155,448.25
10,406.74	88,871.28	224.92	115,783.66	128,519.62		12,215,256.20
762.85	5,232.34		7,864.20	7,897.92		1,638,200.33
1,134.62	8,880.00	780.00	46,618.78	46,905.68	693.00	1,433,288.43
	433.57					43,386.24
127.52	2,371.39	15.31	21,369.31	985.83	197.56	426,164.02
22,806.20	232,888.45	5,083.04	794,841.74	812,677.11	7,603.70	33,048,623.86
17,731.62	180,249.16	3,131.60	635,649.30	451,256.50	4,678.69	20,506,284.04
	3,545.58		154.49	1,630.13		443,468.08
	244.86					308,698.83
356.83	6,007.21	238.14	278.66	12,571.53	462.07	772,545.27
			102.91	2,412.77		98,211.06
114.39	3,990.01	115.09		5,252.73	166.21	321,521.72
284.80	3,194.82		106.13	10,166.89		539,649.37
118.41	2,170.44	29.74	415.55	6,314.82	49.26	278,333.36
	985.25			40.60		246,677.32
	3,567.28	255.58		24,759.67	216.43	853,472.03
768.12	4,143.52	124.11	1,399.54	28,248.12	105.57	821,031.93
	1,394.68	30.61	755.82	3,513.22	24.93	389,274.96
	1,756.66		288.13			59,323.97
237.65	783.00		9,658.13	9,109.89	95.78	897,105.72
447.49	310.25		28,108.72	29,659.70	268.10	2,073,275.07
1,066.00	17,200.00	498.00	24,490.00	54,363.00	525.00	2,272,711.62
						113,571.25
21,125.31	229,542.72	4,422.87	701,407.38	639,299.57	6,592.04	30,995,155.60
1,680.89	3,345.73	660.17	93,434.36	173,377.54	1,011.66	2,053,468.26
298	3,313	159	20,112	20,908	142	425,385
47	470	50	1,105	1,094	45	59,752
9	96	2	155	178		11,014
354	3,879	211	21,372	22,180	187	496,151

\*1940 operation. Not included in summary.



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM

Municipality .....	Alliston	Arthur	Barrie	Beaverton	Beeton
Population .....	1,715	1,089	10,095	925	617
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service .....	11,981.76	5,530.88	78,652.07	6,585.35	3,531.63
Commercial light service .....	8,389.60	5,085.13	49,284.93	2,804.86	2,264.32
Commercial power service .....	2,378.05	937.74	23,354.10	1,020.77	2,121.68
Municipal power .....	896.86	382.18	1,701.81		
Street lighting .....	1,995.00	1,395.00	6,216.50	1,322.49	1,264.00
Merchandise .....	4.10				
Miscellaneous .....	152.94	15.00	300.02	660.98	77.14
Total earnings .....	25,798.31	13,345.93	159,509.43	12,394.45	9,258.77
EXPENSES					
Power purchased .....	15,981.98	9,421.01	118,856.75	9,611.36	7,617.50
Substation operation .....			733.14		
Substation maintenance .....			3.81		
Distribution system, operation and maintenance .....	859.42	798.85	6,404.76	573.64	249.32
Line transformer maintenance .....			339.76		
Meter maintenance .....	249.54	98.45	811.53	627.06	36.55
Consumers' premises expenses .....	583.94		7,365.46	203.88	
Street lighting, operation and maintenance .....	413.72	173.81	1,277.51	230.51	163.25
Promotion of business .....			197.61		
Billing and collecting .....	859.86		5,345.21	783.38	134.93
General office, salaries and expenses .....	385.92	396.08	2,802.57	378.78	124.74
Undistributed expenses .....	28.42	24.01	396.65	10.68	
Truck operation and maintenance .....			597.64		
Interest .....	873.58	646.11	862.21	176.62	318.08
Sinking fund and principal payments on debentures .....	1,576.89	1,139.75	1,922.73	761.95	660.44
Depreciation .....	1,740.00	1,266.00	9,514.79	1,493.00	777.00
Other reserves .....			116.43	75.00	
Total operating costs and fixed charges .....	23,553.27	13,964.07	157,548.56	14,925.86	10,081.81
Net surplus .....	2,245.04		1,960.87		
Net loss .....		618.14		2,531.41	823.04
NUMBER OF CONSUMERS					
Domestic service .....	373	228	2,259	331	138
Commercial light service .....	109	87	431	66	34
Power service .....	15	8	52	9	6
Total .....	497	323	2,742	406	178

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Bradford	Brechin	Cannington	Chatsworth	Chesley	Coldwater	Collingwood
1,041	P.V.	761	333	1,812	606	5,636
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,428.60	1,525.57	5,370.28	2,100.65	9,712.98	3,592.33	31,634.38
4,548.12	649.25	2,391.20	1,304.19	6,078.54	1,303.40	16,029.84
2,937.35	830.72	1,938.55		6,605.72	692.97	30,313.23
363.76				794.80		1,709.97
1,072.00	476.00	1,155.48	533.00	1,386.00	873.00	3,819.75
				23.06		
263.62	7.50	47.85	48.77	175.12	190.74	1,124.65
15,613.45	3,489.04	10,903.36	3,986.61	24,776.22	6,652.44	84,631.82
9,633.40	2,663.56	7,041.32	3,088.72	19,825.11	4,576.71	72,416.19
						214.18
309.08	204.38	521.86	37.23	660.12	349.48	1,740.71
			82.12	160.54		202.12
198.38		179.72	61.65	256.21	167.80	524.29
		48.65		23.30	50.47	5.48
247.94	93.81	294.46	22.36	380.19	222.51	377.60
		29.18				
495.12		468.88		588.26	527.20	1,928.31
251.79	217.15	468.68	356.12	833.96	160.78	1,138.41
53.44			15.71	25.96		204.76
				58.38		420.07
673.00	173.67	159.18	0.85	121.40	71.51	
1,346.31	149.65	666.48			410.18	
1,189.00	181.00	961.00	348.00	1,831.00	746.00	5,000.00
10.00		25.00			22.11	89.01
14,407.46	3,683.22	10,864.41	4,012.76	24,764.43	7,304.75	84,261.13
1,205.99		38.95		11.79		370.69
	194.18		26.15		652.31	
238	58	235	96	439	162	1,463
68	18	62	24	101	50	208
10	4	10		22	2	50
316	80	307	120	562	214	1,721

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality . . . . .	Cookstown	Creemore	Dundalk	Durham	Elmvale
Population . . . . .	P.V.	661	686	1,874	P.V.
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	2,370.88	3,633.71	3,491.92	7,262.60	3,909.94
Commercial light service . . . . .	1,565.12	1,622.32	3,258.82	5,331.90	1,669.30
Commercial power service . . . . .	1,225.53	1,041.19	3,126.56	3,978.94	3,153.12
Municipal power . . . . .				684.27	276.78
Street lighting . . . . .	855.00	756.00	1,066.00	1,622.00	696.00
Merchandise . . . . .				1.32	
Miscellaneous . . . . .	174.60	120.00	150.00	411.36	246.42
Total earnings . . . . .	6,191.13	7,173.22	11,093.30	19,292.39	9,951.56
EXPENSES					
Power purchased . . . . .	3,249.37	6,182.31	8,532.20	15,537.27	6,291.84
Substation operation . . . . .					
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	148.52	171.25	614.89	930.73	290.51
Line transformer maintenance . . . . .				101.40	
Meter maintenance . . . . .	24.90	99.35	85.05	145.51	183.42
Consumers' premises expenses . . . . .		67.14	114.93	31.83	20.73
Street lighting, operation and maintenance . . . . .	124.56	82.49	184.04	258.58	214.58
Promotion of business . . . . .					
Billing and collecting . . . . .	322.68	230.49		696.84	307.70
General office, salaries and expenses . . . . .	94.40	62.01	884.95	698.95	215.01
Undistributed expenses . . . . .	7.29		21.62	54.91	
Truck operation and maintenance . . . . .				225.52	
Interest . . . . .	260.21	5.23			42.32
Sinking fund and principal payments on debentures . . . . .	468.14				413.01
Depreciation . . . . .	661.00	550.00	618.00	1,477.00	786.00
Other reserves . . . . .		15.00			
Total operating costs and fixed charges . . . . .	5,361.07	7,465.27	11,055.68	20,158.54	8,765.12
Net surplus . . . . .	830.06		37.62		1,186.44
Net loss . . . . .		292.05		866.15	
NUMBER OF CONSUMERS					
Domestic service . . . . .	113	167	198	464	199
Commercial light service . . . . .	32	54	73	104	44
Power service . . . . .	3	3	5	13	9
Total . . . . .	148	224	276	581	252



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Elmwood P.V.	Flesherton 452	Grand Valley 645	Gravenhurst 2,261	Hanover 3,190	Holstein P.V.	Huntsville 2,943
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,132.13	2,044.72	3,616.84	10,616.56	21,162.83	1,038.07	13,682.90
697.28	1,704.62	2,292.44	12,894.16	9,093.50	738.70	12,025.74
1,220.42	712.02	1,764.89	14,294.67	20,585.86	261.47	14,369.26
396.05	620.00	920.00	954.91	311.40		1,299.64
105.49	149.89	214.59	2,118.32	2,397.54	345.00	2,792.00
				24.12		
				1,574.47	82.50	377.04
3,551.37	5,231.25	8,808.76	41,106.37	55,149.72	2,465.74	44,546.58
2,802.21	2,846.23	6,010.95	27,545.88	40,516.80	1,527.71	35,121.16
68.21	285.42	469.67	2,551.17	2,287.80	12.98	2,613.83
14.64		11.00	48.07	98.42		88.71
83.53	73.41	121.95	903.33	377.96	7.20	659.49
	4.50		821.32	168.20		131.29
21.56	78.07	99.43	319.30	257.78	16.80	833.45
			1,112.91	1,645.66		1,472.94
183.04	355.53	781.22	794.16	1,049.53	190.04	1,476.19
9.64	6.34	8.27	529.16	378.75	0.59	1,238.01
			390.86	244.41		247.88
	79.65		347.58	493.80		3.00
	280.33			1,151.49		
286.00	424.00	750.00	2,966.00	4,492.18	167.00	1,690.00
			100.00			162.70
3,468.83	4,433.48	8,252.49	38,429.74	53,162.78	1,922.32	45,738.65
82.54	797.77	556.27	2,676.63	1,986.94	543.42	
						1,192.07
66	129	177	576	803	51	705
20	48	52	118	136	22	139
1	2	4	15	24	2	16
87	179	233	709	963	75	860

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality . . . . .	Kin- cardine 2,483	Kirkfield P.V.	Lucknow 977	Markdale 776	Meaford 2,759
Population . . . . .					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	16,047.00	924.78	5,838.72	3,784.00	14,133.55
Commercial light service . . . . .	8,855.66	1,041.30	4,505.05	2,869.43	9,130.80
Commercial power service . . . . .	11,032.65		6,552.58	2,100.30	7,357.27
Municipal power . . . . .	1,353.08		488.72	340.87	1,037.65
Street lighting . . . . .	4,370.00	432.00	1,485.00	1,001.00	3,329.37
Merchandise . . . . .	38.91				
Miscellaneous . . . . .	451.44		105.00	186.53	777.93
Total earnings . . . . .	42,148.74	2,398.08	18,975.07	10,282.13	35,766.57
<b>EXPENSES</b>					
Power purchased . . . . .	27,848.71	1,417.12	13,690.62	6,637.95	24,396.58
Substation operation . . . . .	383.32				
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	1,923.60	189.91	349.71	228.28	2,243.25
Line transformer maintenance . . . . .	26.37		4.50		112.07
Meter maintenance . . . . .	120.16		167.44	120.65	321.78
Consumers' premises expenses . . . . .	58.46			91.13	146.83
Street lighting, operation and main- tenance . . . . .	396.94	35.52	140.12	88.72	532.38
Promotion of business . . . . .					
Billing and collecting . . . . .	785.92				706.35
General office, salaries and expenses . . . . .	804.14	177.74	1,199.64	626.50	918.43
Undistributed expenses . . . . .	133.99		54.15	5.00	226.22
Truck operation and maintenance . . . . .	460.80				369.90
Interest . . . . .	169.94	0.49	142.45	167.64	763.33
Sinking fund and principal payments on debentures . . . . .	1,503.64		1,505.18	488.59	4,632.06
Depreciation . . . . .	2,963.00	286.00	1,089.00	796.00	1,824.00
Other reserves . . . . .		25.00			13.37
Total operating costs and fixed charges . . . . .	37,578.99	2,131.78	18,342.81	9,250.46	37,206.55
Net surplus . . . . .	4,569.75	266.30	632.26	1,031.67	
Net loss . . . . .					1,439.98
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	715	37	261	231	731
Commercial light service . . . . .	118	14	85	75	146
Power service . . . . .	17		6	9	20
Total . . . . .	850	51	352	315	897

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Midland 6,627	Mildmay 764	Mount Forest 1,936	Neustadt 431	Orangeville 2,558	Owen Sound 13,599	Paisley 730
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
36,432.98	3,712.95	9,686.12	2,019.50	16,152.42	62,637.67	4,178.03
18,891.19	2,677.79	9,032.42	1,058.12	10,505.12	50,135.54	2,655.08
63,359.13	952.51	5,095.58	358.15	6,271.84	55,802.88	1,034.49
2,948.97		970.88		1,052.28	791.84	
6,376.00	660.00	2,275.92	702.00	2,689.68	11,855.09	1,183.00
				106.10	129.94	
2,093.17	156.86	204.82	248.09	507.86	901.95	184.16
130,101.44	8,160.11	27,265.74	4,385.86	37,285.30	182,254.91	9,234.76
113,801.35	5,630.42	21,272.55	1,941.24	28,784.89	153,554.70	6,376.16
2,112.87					3,980.25	
240.30						
3,297.07	178.27	466.24	121.69	1,263.38	3,933.47	611.12
52.32		4.70	26.50	54.55	1,692.19	25.21
891.00	92.15	209.20	77.73	502.85	2,391.57	124.95
578.53	135.52			275.12	2.47	
760.37	134.72	309.91	148.38	661.68	1,947.85	64.87
1,523.11					32.90	
2,224.45		656.08		1,274.89	5,013.61	
1,572.45	463.44	208.28	333.96	660.64	5,744.98	577.13
1,111.29	7.23	12.73	18.07	75.82	1,796.66	14.14
584.87		143.23			1,113.74	
24.25	441.61	331.05		5.15	509.41	198.68
	603.17	973.80				1,140.19
12,959.00	313.00	1,733.00	752.00	2,582.00	9,227.00	645.00
141,733.23	7,999.53	26,320.77	3,419.57	36,140.97	190,940.80	9,777.45
	160.58	944.97	966.29	1,144.33		
11,631.79					8,685.89	542.69
1,600	171	468	98	752	3,481	203
210	54	143	28	148	554	51
46	3	15	1	26	110	4
1,856	228	626	127	926	4,145	258



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Penetan- guishene 4,177	Port Elgin 1,415	Port McNicoll 964	Port Perry 1,175	Priceville P.V.
Population.....					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	12,823.08	10,991.40	4,258.49	7,892.67	769.48
Commercial light service.....	8,678.41	6,291.97	744.33	3,304.27	328.51
Commercial power service.....	18,285.13	3,360.64	51.28	2,293.65	76.46
Municipal power.....	2,099.84	786.25		344.53	
Street lighting.....	2,302.00	2,732.77	945.00	1,690.00	480.00
Merchandise.....					
Miscellaneous.....	85.72	306.55	7.50	378.99	8.98
Total earnings.....	44,274.18	24,469.58	6,006.60	15,904.11	1,663.43
<b>EXPENSES</b>					
Power purchased.....	31,375.98	18,921.52	3,307.44	12,260.51	632.27
Substation operation.....	289.58				
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,716.06	947.94	385.29	736.04	78.72
Line transformer maintenance.....	324.02	4.83			
Meter maintenance.....	296.07	157.75	79.75	154.35	52.55
Consumers' premises expenses.....	53.51	189.50			
Street lighting, operation and main- tenance.....	435.05	311.31	145.09	227.52	23.59
Promotion of business.....	20.00				
Billing and collecting.....	1,283.86	623.84	547.09	867.86	
General office, salaries and expenses.....	1,038.51	252.34	256.91	447.24	91.29
Undistributed expenses.....	112.23	37.17	51.50		
Truck operation and maintenance.....	503.48	179.28			
Interest.....	100.09	1,301.67	12.73	503.83	
Sinking fund and principal payments on debentures.....	751.22	2,069.03	196.00	1,191.40	
Depreciation.....	3,794.00	1,180.00	514.00	1,130.00	262.00
Other reserves.....					
Total operating costs and fixed charges.....	42,093.66	26,176.18	5,495.80	17,518.75	1,140.42
Net surplus.....	2,180.52		510.80		523.01
Net loss.....		1,706.60		1,614.64	
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	702	478	233	377	36
Commercial light service.....	111	103	19	78	10
Power service.....	23	6	1	11	1
Total.....	836	587	253	466	47

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Ripley 420	Rosseau 305	Shelburne 1,053	Southamp- ton 1,467	Stayner 1,106	Sunderland P.V.	Tara 510
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,187.06	2,951.30	5,959.24	10,622.26	5,561.56	2,913.67	3,527.47
1,616.15	985.42	3,897.63	5,022.06	3,784.12	1,528.37	1,446.55
1,430.74		2,947.31	7,311.60	2,245.48	284.35	1,301.43
		288.62	1,171.19	69.21		
1,124.00	1,410.00	882.00	2,467.68	1,212.00	730.00	1,177.00
76.34	24.22	356.18	30.26	164.66	25.57	85.82
7,434.29	5,370.94	14,330.98	26,625.05	13 037.03	5,481.96	7,538.27
5,226.65	3,552.75	10,209.39	19,042.74	10,333.15	3,708.64	4,350.94
204.80	223.91	344.48	1,260.06	564.41	508.56	136.77
18.98			107.75			
74.89	25.35	226.35	284.07	197.42	79.84	12.74
			189.26	84.53		
55.62	71.90	89.79	199.47	170.10	172.41	128.66
	174.90	822.41	813.17	506.00	236.23	
503.96	67.58	114.20	611.40	403.85	275.88	612.06
11.95		22.90	58.61	13.75		8.34
			134.07			
422.37	608.33	0.50	661.81	38.06		
608.50	531.38		1,625.65			
596.00	326.00	1,285.00	1,241.00	1,179.00	397.00	735.00
	15.00			17.04		
7,723.72	5,597.10	13,115.02	26,229.06	13,507.31	5,378.56	5,984.51
		1,215.96	395.99		103.40	1,553.76
289.43	226.16			470.28		
123	64	306	537	286	126	155
48	13	82	94	92	36	33
1		15	14	16	2	5
172	77	403	645	394	164	193

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Concluded

Municipality .....	Teeswater	Thornton	Totten- ham	Uxbridge	Victoria Harbour
Population .....	873	P.V.	532	1,480	1,018
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service .....	5,241.87	1,623.85	3,868.02	9,085.72	3,602.21
Commercial light service .....	2,954.34	479.21	1,561.23	4,929.47	980.78
Commercial power service .....	1,020.47	314.11	446.96	2,439.99	
Municipal power .....	180.00		176.69		94.34
Street lighting .....	1,107.60	500.00	882.00	1,692.61	663.00
Merchandise .....					
Miscellaneous .....	139.70			41.08	15.00
<b>Total earnings .....</b>	<b>10,643.98</b>	<b>2,917.17</b>	<b>6,934.90</b>	<b>18,188.87</b>	<b>5,355.33</b>
<b>EXPENSES</b>					
Power purchased .....	6,800.13	1,376.62	5,838.54	15,110.18	3,213.58
Substation operation .....					
Substation maintenance .....					
Distribution system, operation and maintenance .....	148.72	98.41	303.91	787.68	216.22
Line transformer maintenance .....	14.25				
Meter maintenance .....	107.14		59.58	352.58	87.80
Consumers' premises expenses .....	54.33			280.74	
Street lighting, operation and main- tenance .....	60.00	57.25	168.18	275.83	163.32
Promotion of business .....					
Billing and collecting .....			269.43	355.17	587.37
General office, salaries and expenses .....	582.17	107.86	184.23	425.93	372.21
Undistributed expenses .....	22.23			17.52	
Truck operation and maintenance .....					
Interest .....	122.42		224.26	0.73	
Sinking fund and principal payments on debentures .....	1,874.78		578.95		
<b>Depreciation .....</b>	<b>955.00</b>	<b>433.00</b>	<b>561.00</b>	<b>949.00</b>	<b>594.00</b>
<b>Other reserves .....</b>				<b>100.00</b>	
<b>Total operating costs and fixed charges .....</b>	<b>10,741.17</b>	<b>2,073.14</b>	<b>8,188.08</b>	<b>18,655.36</b>	<b>5,234.50</b>
<b>Net surplus .....</b>		<b>844.03</b>			<b>120.83</b>
<b>Net loss .....</b>	<b>97.19</b>		<b>1,253.18</b>	<b>466.49</b>	
<b>NUMBER OF CONSUMERS</b>					
Domestic service .....	230	68	142	401	255
Commercial light service .....	55	12	45	97	31
Power service .....	3	2	7	11	1
<b>Total .....</b>	<b>288</b>	<b>82</b>	<b>194</b>	<b>509</b>	<b>287</b>



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Walkerton 2,534	Waubau- shene P.V.	Wiarton 1,750	Winder- mere 158	Wingham 2,114	Woodville 439	GEORGIAN BAY SYSTEM SUMMARY
\$ c.	\$ c	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
17,990.71	3,358.50	7,676.87	2,538.25	13,163.91	2,170.54	557,934.43
11,200.15	583.60	8,331.47	1,272.76	8,712.77	1,022.24	354,040.59
9,466.30	66.36	2,827.98	161.83	9,462.85	606.29	365,183.40
526.99	144.10	1,368.42		880.42		26,491.27
2,900.47	482.00	2,388.94	325.00	3,305.01	636.00	104,486.27
970.94				1,809.90		3,108.39
45.60	142.14	427.68		1,358.87	218.95	16,656.06
43,101.16	4,776.70	23,021.36	4,297.84	38,692.73	4,654.02	1,427,900.41
29,762.32	3,554.52	15,948.93	2,054.43	26,326.95	3,571.21	1,078,729.22
				1,806.44		9,519.78
						244.11
1,143.14	116.73	775.94	141.90	2,102.64	399.05	51,301.20
209.74				32.02		3,856.78
629.12	46.50	220.37	36.25	501.12	89.04	14,766.39
95.73	30.07			62.80	50.00	12,019.65
480.32	60.65	449.79	69.13	503.71	102.29	16,030.75
						1,802.80
1,039.69	327.62	556.78	130.21	800.54	253.51	37,777.35
1,517.17	167.50	646.98	86.95	1,917.72	135.15	38,406.43
280.87		87.45		255.25		7,449.28
82.73		161.69		530.43		6,448.98
2,099.57	53.16	1,329.97	453.87	1,639.69	67.99	17,703.05
2,955.71		1,671.10	580.43	1,591.66	222.16	38,241.95
1,868.00	436.00	1,018.00	411.00	3,922.00	291.00	99,159.97
					30.00	815.66
42,164.11	4,792.75	22,867.00	3,964.17	41,992.97	5,211.40	1,434,273.35
937.05		154.36	333.67			
	16.05			3,300.24	557.38	6,372.94
650	225	417	63	577	114	24,981
142	21	112	14	142	24	5,140
20	2	15	1	22	2	723
812	248	544	78	741	140	30,844

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM

Municipality . . . . .	Alex- andria	Apple Hill	Arnprior	Athens	Bath
Population . . . . .	1,976	P.V.	4,019	626	325
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service . . . . .	7,326.19	1,389.81	17,554.25	3,154.90	2,083.39
Commercial light service . . . . .	4,834.93	960.20	10,251.73	1,678.61	761.01
Commercial power service . . . . .	2,886.71	440.92	15,385.70	882.81	
Municipal power . . . . .	912.47		2,509.43		
Street lighting . . . . .	1,950.00	478.50	3,492.00	1,204.00	420.00
Merchandise . . . . .					
Miscellaneous . . . . .	579.38	25.16	224.40	151.99	
<b>Total earnings . . . . .</b>	<b>18,489.68</b>	<b>3,294.59</b>	<b>49,417.51</b>	<b>7,072.31</b>	<b>3,264.40</b>
<b>EXPENSES</b>					
Power purchased . . . . .	10,514.21	1,836.48	27,267.52	4,913.87	1,474.40
Substation operation . . . . .					
Substation maintenance . . . . .					
Distribution system, operation and maintenance . . . . .	1,230.05	91.68	1,579.34	182.16	108.07
Line transformer maintenance . . . . .	40.55		62.27		
Meter maintenance . . . . .	227.17	10.35	334.52	31.24	
Consumers' premises expenses . . . . .	93.24		299.10		
Street lighting, operation and main- tenance . . . . .	238.25	26.75	253.49	36.90	36.08
Promotion of business . . . . .			248.47		
Billing and collecting . . . . .	1,063.68		2,613.38		
General office, salaries and expenses . . . . .	413.97	273.95	2,146.50	317.28	238.21
Undistributed expenses . . . . .	101.09				
Truck operation and maintenance . . . . .	292.15				
Interest . . . . .		38.62	1,327.11	429.56	329.31
Sinking fund and principal payments on debentures . . . . .		484.48	2,650.30	763.35	330.10
<b>Depreciation . . . . .</b>	<b>1,790.00</b>	<b>228.00</b>	<b>1,240.00</b>	<b>625.00</b>	<b>256.00</b>
<b>Other reserves . . . . .</b>					
<b>Total operating costs and fixed charges . . . . .</b>	<b>16,004.36</b>	<b>2,990.31</b>	<b>40,022.00</b>	<b>7,299.36</b>	<b>2,772.17</b>
<b>Net surplus . . . . .</b>	<b>2,485.32</b>	<b>304.28</b>	<b>9,395.51</b>		<b>492.23</b>
<b>Net loss . . . . .</b>				<b>227.05</b>	
<b>NUMBER OF CONSUMERS</b>					
Domestic service . . . . .	388	63	798	183	55
Commercial light service . . . . .	103	24	150	56	14
Power service . . . . .	15	2	20	1	
<b>Total . . . . .</b>	<b>506</b>	<b>89</b>	<b>968</b>	<b>240</b>	<b>69</b>

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1941

Belleville 14,876	Bloomfield 636	Bowman- ville 3,850	Brighton 1,462	Brockville 9,996	Cardinal 1,602	Carleton Place 4,143
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
86,710.19	3,270.63	30,816.32	10,546.78	58,231.06	7,815.43	21,075.45
57,915.07	2,212.19	10,850.44	4,732.16	27,511.21	2,419.34	9,489.40
44,075.97	1,138.57	62,343.54	3,845.65	43,837.21	371.52	26,534.12
4,173.52				5,854.80		1,530.14
10,968.86	715.00	3,902.28	2,028.12	8,991.50	992.00	4,885.25
5,526.15			228.24			
2,831.61	114.79	3,120.66	182.44	5,703.27	142.50	1,198.65
212,201.37	7,451.18	111,033.24	21,563.39	150,129.05	11,740.79	64,713.01
161,868.80	4,714.34	80,126.60	9,946.57	111,135.80	7,669.74	45,321.64
1,881.00		63.40		5,206.40		131.09
				1,012.40		
2,416.96	47.05	2,942.80	1,526.26	2,773.79	637.87	1,342.91
398.15		134.51	36.75	564.54	7.85	235.81
1,670.23	17.91	416.00	402.03	2,901.53	103.15	622.68
1,096.15	20.00	1,306.48	276.52			770.11
1,659.18	91.10	406.74	295.71	1,246.40	159.12	791.27
		132.45				57.72
3,623.26		2,522.54	609.44	2,828.97		1,882.18
6,899.91	280.78	2,947.35	1,223.07	5,415.34	661.48	3,488.47
1,268.59		892.21	319.69	1,478.55		526.01
			360.80	546.30		615.95
	219.57	300.00	342.54		446.51	1,332.07
	364.77	5,000.00	1,490.00		738.93	3,840.68
9,785.00	618.00	2,954.00	830.00	12,391.00	549.00	2,662.00
192,567.23	6,373.52	100,145.08	17,659.38	147,501.02	10,973.65	63,620.59
19,634.14	1,077.66	10,888.16	3,904.01	2,628.03	767.14	1,092.42
3,450	170	1,193	555	2,959	382	1,056
692	43	155	97	412	59	187
100	7	26	10	76	2	18
4,242	220	1,374	662	3,447	443	1,261



STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality .....	Chester- ville 1,094	Cobden 643	Cobourg 5,062	Colborne 960	Deseronto 1,002
Population .....					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service .....	5,002.39	2,340.27	37,699.45	5,961.27	5,998.11
Commercial light service .....	3,894.35	2,429.30	20,765.36	3,222.81	2,323.60
Commercial power service .....	2,125.50	376.12	24,899.74	656.97	1,079.22
Municipal power .....			2,250.63	211.63	722.95
Street lighting .....	1,131.00	703.00	5,928.42	1,524.00	1,649.00
Merchandise .....	96.76		40.11	166.02	
Miscellaneous .....	409.50	117.47	972.84	118.74	147.95
Total earnings .....	12,659.50	5,966.16	92,556.55	11,861.44	11,920.83
<b>EXPENSES</b>					
Power purchased .....	8,765.74	3,351.40	66,649.89	6,919.98	6,773.71
Substation operation .....					
Substation maintenance .....					
Distribution system, operation and maintenance .....	701.17	104.35	1,627.43	441.22	1,409.58
Line transformer maintenance .....			415.63		
Meter maintenance .....	59.96	87.16	1,129.42	156.13	81.60
Consumers' premises expenses .....	291.33		467.39	214.49	63.66
Street lighting, operation and main- tenance .....	89.41	53.09	937.14	200.35	484.53
Promotion of business .....					43.88
Billing and collecting .....	553.03	416.65	3,215.98		627.12
General office, salaries and expenses .....	517.27	142.85	2,256.27	1,549.51	598.88
Undistributed expenses .....			854.44	150.65	81.57
Truck operation and maintenance .....			298.31	281.93	392.14
Interest .....		287.49	2,121.26	550.78	18.55
Sinking fund and principal payments on debentures .....		612.51	5,164.23	613.13	707.21
Depreciation .....	712.00	162.00	4,721.00	435.00	530.00
Other reserves .....					
Total operating costs and fixed charges .....	11,689.91	5,217.50	89,858.39	11,513.17	11,812.43
Net surplus .....	969.59	748.66	2,698.16	348.27	108.40
Net loss .....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service .....	248	135	1,422	273	338
Commercial light service .....	74	47	234	75	59
Power service .....	3	1	49	5	5
Total .....	325	183	1,705	353	402

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Finch	Hastings	Havelock	Iroquois	Kemptville	Kingston
396	823	1,103	1,123	1,230	26,741
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,318.15	3,855.15	4,722.09	5,874.57	7,183.31	174,672.35
1,669.72	2,278.04	2,668.06	3,865.55	5,051.48	118,787.81
437.21	185.64	1,912.14	372.43	4,458.48	135,472.18
			1,628.76		10,767.10
507.00	1,300.10	1,560.00	927.00	1,786.00	21,219.34
144.29	302.29	538.14	101.43	1,110.57	3,451.90
5,076.37	7,921.22	11,400.43	12,769.74	19,589.84	464,370.68
3,811.97	3,825.54	5,860.29	7,003.89	11,403.47	300,336.21
					4,674.03
					897.51
31.56	539.99	1,075.20	1,303.15	1,485.39	14,902.23
			146.75	33.88	1,363.86
4.05	124.99		121.50	188.18	4,837.65
44.53				206.59	3,106.07
20.25	158.02	132.08	454.08	222.64	3,469.59
					269.15
			647.53	1,109.70	5,755.93
288.13	535.95	624.07	109.06	375.89	11,915.93
	44.28		48.77	64.15	6,908.23
		235.66		249.91	3,148.31
205.57	782.99	39.93		802.04	2,624.55
405.88	975.13	310.41		1,014.18	2,857.50
350.00	679.00	1,128.00	252.00	1,345.00	32,873.00
					12,500.00
5,161.94	7,665.89	9,405.64	10,086.73	18,501.02	412,439.75
	255.33	1,994.79	2,683.01	1,088.82	51,930.93
85.57					
97	227	291	276	347	7,001
32	52	57	76	85	1,019
1	3	2	5	5	185
130	282	350	357	437	8,205

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality .....	Lakefield	Lanark	Lancaster	Lindsay	Madoc
Population .....	1,301	686	570	7,241	1,130
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service .....	6,331.04	2,903.72	2,061.49	46,064.53	4,946.94
Commercial light service .....	4,444.43	1,616.65	1,263.34	30,261.50	4,072.29
Commercial power service .....	4,497.88			51,834.44	1,368.56
Municipal power .....				3,034.01	
Street lighting .....	1,710.00	572.00	480.00	6,309.69	1,395.95
Merchandise .....					
Miscellaneous .....	541.00	180.63	6.86	2,519.33	194.68
Total earnings .....	17,524.35	5,273.00	3,811.69	140,023.50	11,978.42
<b>EXPENSES</b>					
Power purchased .....	11,258.77	3,424.48	2,368.04	105,952.25	8,348.32
Substation operation .....					
Substation maintenance .....					
Distribution system, operation and maintenance .....	501.88	147.76	78.95	1,930.23	994.00
Line transformer maintenance .....				669.00	
Meter maintenance .....	137.28	63.84	20.70	1,020.02	51.99
Consumers' premises expenses .....				553.02	21.98
Street lighting, operation and maintenance .....	186.13	86.82	63.39	1,980.51	114.55
Promotion of business .....				484.34	
Billing and collecting .....	394.08			3,296.82	
General office, salaries and expenses .....	671.11	367.90	379.22	6,554.97	869.84
Undistributed expenses .....	42.71			1,141.05	41.51
Truck operation and maintenance .....	194.37			688.40	
Interest .....	1,204.99			3,198.26	
Sinking fund and principal payments on debentures .....	1,366.63			7,060.47	
Depreciation .....	1,458.00	389.00	404.00	5,456.00	515.00
Other reserves .....					
Total operating costs and fixed charges .....	17,415.95	4,479.80	3,314.30	139,985.34	10,957.19
Net surplus .....	108.40	793.20	497.39	38.16	1,021.23
Net loss .....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service .....	343	166	103	2,080	301
Commercial light service .....	70	40	30	341	86
Power service .....	6			71	4
Total .....	419	206	133	2,492	391



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Marmora 1,004	Martin- town P.V.	Maxville 811	Millbrook 749	Morris- burg 1,484	Napanee 3,241	Newcastle 701
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,358.34	703.29	3,218.99	4,336.73	9,094.25	25,156.43	5,233.92
2,269.53	914.03	2,719.87	2,132.63	6,927.91	17,008.50	2,663.37
238.80			740.50	2,397.33	9,146.07	3,302.91
				415.21	626.22	
1,298.00	176.00	1,157.53	783.20	2,523.15	3,961.22	614.68
					316.55	
31.67	58.26	87.80	111.73	318.22	130.66	
8,196.34	1,851.58	7,184.19	8,104.79	21,676.07	56,345.65	11,814.88
4,468.77	1,249.53	4,284.90	3,276.85	6,585.17	36,000.99	6,369.62
				2,319.00		
560.16	86.98	406.91	431.64	1,224.24	4,225.18	484.06
			81.43	30.39	220.41	
	9.45	113.91	249.46	142.79	658.48	114.44
			38.60		282.17	147.31
163.20	20.00	211.24	121.09	311.07	688.58	84.88
			570.11	619.00	1,857.24	582.72
880.92	173.55	357.02	632.09	439.13	4,667.21	197.51
				228.26	2,139.44	10.97
				123.41	207.24	
77.28			292.12	1,190.57		96.25
1,193.22			430.39	4,101.06		1,194.26
642.00	186.00	650.00	200.00	741.00	2,219.00	836.00
7,985.55	1,725.51	6,023.98	6,323.78	18,055.09	53,165.94	10,118.02
210.79	126.07	1,160.21	1,781.01	3,620.98	3,179.71	1,696.86
243	47	158	170	426	852	216
46	25	53	60	108	198	38
2			3	13	25	3
291	72	211	233	547	1,075	257

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Norwood	Omeme	Orono	Oshawa
Population.....	710	630	P.V.	25,035
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,967.60	3,207.76	4,404.89	209,518.33
Commercial light service.....	2,335.64	1,164.20	2,123.87	83,052.40
Commercial power service.....	530.35	3,774.88	51.21	314,410.18
Municipal power.....				9,777.45
Street lighting.....	1,596.00	1,075.26	768.28	12,194.82
Merchandise.....				
Miscellaneous.....	632.30	173.83		14,705.06
Total earnings.....	10,061.89	9,395.93	7,348.25	643,658.24
EXPENSES				
Power purchased.....	4,424.53	6,690.53	3,229.04	525,376.53
Substation operation.....				170.66
Substation maintenance.....				
Distribution system, operation and maintenance.....	613.37	623.08	590.76	9,948.30
Line transformer maintenance.....		4.90	56.41	287.36
Meter maintenance.....		93.33	18.66	3,690.82
Consumers' premises expenses.....	55.49	27.37	203.36	10,531.49
Street lighting, operation and maintenance.....	160.94	123.81	70.39	1,729.87
Promotion of business.....				64.96
Billing and collecting.....			551.60	12,102.28
General office, salaries and expenses.....	531.48	362.88	368.51	10,236.62
Undistributed expenses.....		9.89	23.69	3,904.67
Truck operation and maintenance.....	235.64			
Interest.....	1,117.86		202.17	4,289.46
Sinking fund and principal payments on debentures.....	1,635.60		827.28	18,000.00
Depreciation.....	1,317.00	860.00	178.00	14,118.00
Other reserves.....				
Total operating costs and fixed charges.....	10,091.91	8,795.79	6,319.87	614,451.02
Net surplus.....		600.14	1,028.38	29,207.22
Net loss.....	30.02			
NUMBER OF CONSUMERS				
Domestic service.....	235	169	179	6,424
Commercial light service.....	55	32	37	689
Power service.....	3	6	1	113
Total.....	293	207	217	7,226

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Ottawa 150,277	Perth 4,197	Peter- borough 24,400	Picton 3,400	Port Hope 4,997	Prescott 2,930	Richmond 428
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
589,791.57	25,753.93	175,412.76	24,286.85	30,500.40	20,600.54	2,309.82
258,129.99	16,036.88	99,691.58	16,400.67	14,581.07	12,563.56	1,473.08
65,249.80	15,644.56	157,640.51	3,778.19	30,512.88	5,412.65	
22,479.57	1,110.56	6,414.40	2,015.94	1,377.55	1,390.99	
81,260.08	2,855.60	22,451.66	3,956.04	4,180.66	4,120.50	390.00
	2,874.33		1,619.57			
5,420.65	3,380.70	1,161.68	1,490.97	891.01	19.63	
1,022,331.66	67,656.56	462,772.59	53,548.23	82,043.57	44,107.87	4,172.90
503,933.09	42,315.93	299,958.74	38,530.33	66,449.61	29,565.10	2,771.92
32,888.27	406.48	6,354.67			1,381.56	
971.92		1,432.04				
24,628.53	1,664.55	8,407.05	967.15	1,017.45	3,181.83	152.38
1,689.43	166.65	1,021.37	334.89	151.83	206.89	
13,406.56	306.72	5,800.91	365.43	880.08	801.51	10.96
3,846.08	473.22	17,289.41	46.93	1,538.10	659.06	
34,892.74	358.86	4,815.36	282.08	1,416.04	618.87	58.16
9,213.31	120.22	489.46	13.47			
49,926.33	1,769.66	9,940.95	972.07	2,119.75	1,276.64	
28,225.15	3,603.72	6,820.21	1,894.86	3,361.08	2,396.38	256.66
16,789.48	424.59	4,316.10	499.73	888.85	607.67	
2,765.22	710.67	2,539.79	204.84	384.89		
23,507.33	2,365.29	29,143.41				206.29
15,724.74	2,899.44	12,584.45				355.55
103,222.00	4,579.00	21,824.00	2,494.00	3,087.00	3,567.00	280.00
55,500.00		800.00				
921,130.18	62,165.00	433,537.92	46,605.78	81,294.68	44,262.51	4,091.92
101,201.48	5,491.56	29,234.67	6,942.45	748.89		80.98
					154.64	
14,922	1,045	6,243	1,082	1,406	738	81
1,457	198	914	205	217	160	22
204	27	163	36	37	21	
16,583	1,270	7,320	1,323	1,660	919	103



STATEMENT

Detailed Operating Reports of Electrical Departments of

**EASTERN ONTARIO  
SYSTEM—Concluded**

Municipality.....	Russell	Smiths Falls	Stirling	Trenton	Tweed
Population.....	P.V.	7,741	947	7,636	1,181
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,812.87	46,841.54	5,393.80	42,939.17	6,380.56
Commercial light service.....	1,456.73	16,620.71	3,596.40	26,268.65	4,781.97
Commercial power service.....		20,910.23	1,291.68	73,525.28	3,683.15
Municipal power.....		667.79	275.13	2,878.87	329.37
Street lighting.....	800.00	7,475.28	1,637.04	7,616.11	1,809.92
Merchandise.....			57.51	372.66	
Miscellaneous.....	155.00	3,172.66	358.30	1,346.69	183.14
Total earnings.....	5,224.60	95,688.21	12,609.86	154,947.43	17,168.11
EXPENSES					
Power purchased.....	3,094.34	60,948.24	7,396.41	105,326.96	9,212.09
Substation operation.....		470.22	277.20		
Substation maintenance.....		731.42		24.73	
Distribution system, operation and maintenance.....	204.17	3,664.44	493.35	1,470.73	393.33
Line transformer maintenance.....		244.18		131.58	
Meter maintenance.....		810.93	94.33	2,150.61	249.16
Consumers' premises expenses.....		3,568.52		838.53	
Street lighting, operation and main- tenance.....	94.75	633.79	306.60	1,094.11	272.19
Promotion of business.....	62.34	128.85		8.96	1.19
Billing and collecting.....		3,101.06	439.07	3,455.93	863.68
General office, salaries and expenses.....	358.20	2,965.17	1,152.53	5,779.29	365.12
Undistributed expenses.....		1,549.08	105.27	1,646.07	14.44
Truck operation and maintenance.....		720.83	218.33	775.77	
Interest.....	196.53	109.63		994.22	206.43
Sinking fund and principal payments on debentures.....	640.26	969.84		7,921.57	1,644.77
Depreciation.....	372.00	8,389.00	971.00	5,911.00	659.00
Other reserves.....		300.00			
Total operating costs and fixed charges.....	5,022.59	89,305.20	11,454.09	137,530.06	13,881.40
Net surplus.....	202.01	6,383.01	1,155.77	17,417.37	3,286.71
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	115	1,923	297	1,682	306
Commercial light service.....	34	283	72	265	86
Power service.....		41	12	56	13
Total.....	149	2,247	381	2,003	405

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1941

Warkworth P.V.	Wellington 948	Westport 725	Whitby 4,236	Williams- burgh P.V.	Winchester 1,017	EASTERN ONTARIO SYSTEM SUMMARY
\$ c	\$ c	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,224.95	6,325.62	3,711.80	28,409.62	1,957.75	6,555.34	1,864,318.65
1,317.34	2,630.24	2,990.29	14,280.23	2,648.25	4,618.05	965,628.22
11.73	912.24		15,357.93	146.33	1,557.82	1,161,646.44
			1,574.30			84,928.79
617.18	1,102.98	1,388.04	4,904.04	286.92	944.00	262,674.20
161.20	202.50	197.33	3,525.95	625.76	420.19	11,297.90
						64,095.36
4,332.40	11,173.53	8,287.46	68,052.07	5,665.01	14,095.40	4,414,589.56
2,675.28	6,560.46	5,047.43	39,265.62	3,564.13	9,466.61	2,860,882.67
			270.99			56,494.97
						5,070.02
105.16	876.22	243.93	7,183.94	70.82	549.64	116,622.38
			360.49			9,097.76
39.84	161.70	129.16	1,137.11	51.90	71.68	46,381.21
	31.30		896.41	23.88	147.32	49,475.21
100.13	111.40	60.66	1,013.16	139.46	62.94	63,909.94
			6.44			11,345.21
			1,992.62		536.96	123,837.96
226.68	599.88	1,160.45	2,010.45	602.05	326.13	133,014.09
	58.26		266.37			47,446.33
		27.48	393.09			16,611.43
445.68	341.87	518.25	699.87		160.90	82,763.11
353.46	1,059.22	696.52	2,982.02		612.80	112,576.34
289.00	966.00	293.00	4,038.00	300.00	816.00	269,341.00
						69,100.00
4,235.23	10,766.31	8,176.88	62,516.58	4,752.24	12,750.98	4,073,969.63
97.17	407.27	110.58	5,535.49	912.77	1,344.42	340,619.93
133	342	138	966	98	301	65,837
43	63	48	167	46	85	10,075
1	5		25	1	3	1,436
177	410	186	1,158	145	389	77,348

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

THUNDER BAY  
SYSTEM

Municipality.....	Fort William	Nipigon Twp.	Port Arthur	THUNDER BAY SYSTEM SUMMARY
Population.....	24,843		23,790	
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	229,486.80	4,185.32	133,004.98	366,677.10
Commercial light service.....	95,430.77	3,799.93	82,647.64	181,878.34
Commercial power service.....	55,113.59	312.47	708,967.30	764,393.36
Municipal power.....	29,844.56	427.33	34,218.55	64,490.44
Street lighting.....	19,755.56	750.00	19,684.11	40,189.67
Merchandise.....				
Miscellaneous.....	1,942.64	181.20	12,407.67	14,531.51
Total earnings.....	431,573.92	9,656.25	990,930.25	1,432,160.42
EXPENSES				
Power purchased.....	291,749.63	4,587.07	866,805.38	1,163,142.08
Substation operation.....	7,669.24		26,830.29	34,499.53
Substation maintenance.....	621.74		2,042.57	2,664.31
Distribution system, operation and maintenance.....	7,153.95	395.03	17,330.54	24,879.52
Line transformer maintenance.....	299.23	43.08	1,459.34	1,801.65
Meter maintenance.....	7,889.73	46.00	8,233.37	16,169.10
Consumers' premises expenses.....	1,733.35			1,733.35
Street lighting, operation and main- tenance.....	6,226.90	94.86	5,687.06	12,008.82
Promotion of business.....	47.00	240.00	1,996.40	2,283.40
Billing and collecting.....	12,873.86		13,438.49	26,312.35
General office, salaries and expenses.....	13,484.91	944.98	14,145.95	28,575.84
Undistributed expenses.....	4,545.56	50.22	21,715.52	26,311.30
Truck operation and maintenance.....	3,138.46		2,377.26	5,515.72
Interest.....	14,049.07	181.27	1,343.87	15,574.21
Sinking fund and principal payments on debentures.....	5,254.84	690.58	1,145.58	7,091.00
Depreciation.....	19,364.00	707.00	30,776.42	50,847.42
Other reserves.....	1,000.00		3,500.00	4,500.00
Total operating costs and fixed charges.....	397,101.47	7,980.09	1,018,828.04	1,423,909.60
Net surplus.....	34,472.45	1,676.16		8,250.82
Net loss.....			27,897.79	
NUMBER OF CONSUMERS				
Domestic service.....	6,701	220	5,474	12,395
Commercial light service.....	1,054	54	854	1,962
Power service.....	125	4	112	241
Total.....	7,880	278	6,440	14,598



“B”—Concluded

Hydro Municipalities for Year Ended December 31, 1941

NORTHERN ONTARIO DISTRICTS

Capreol 1,660	North Bay 16,013	Sioux Lookout 1,967	Sudbury 31,875	NOR THERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
9,227.32	105,109.01	16,398.92	231,282.37	362,017.62	14,287,828.19
3,687.25	69,292.34	12,605.02	143,113.80	228,698.41	7,885,693.81
	39,815.26	1,365.84	43,392.53	84,573.63	14,591,053.03
721.78	7,849.52		9,697.25	18,268.55	1,832,379.38
1,260.00	10,490.91	2,055.40	26,115.13	39,921.44	1,880,560.01
	902.98			902.98	58,695.51
	2,189.01	27.31	3,108.26	5,324.58	526,771.53
14,896.35	235,649.03	32,452.49	456,709.34	739,707.21	41,062,981.46
7,179.78	123,610.25	25,978.30	251,454.50	408,222.83	26,017,260.84
	944.20		7,893.98	8,838.18	552,820.54
					316,677.27
1,747.57	5,542.89	761.87	20,485.74	28,538.07	993,886.44
19.27	616.54	101.99	599.13	1,336.93	114,304.18
163.72	3,457.75	166.86	6,625.97	10,414.30	409,252.72
2.58	320.65	272.00	1,170.16	1,765.39	604,642.97
610.31	1,574.00	170.96	7,267.41	9,622.68	379,905.55
	562.22		239.08	801.30	262,910.03
1,218.07	8,578.15	2,327.08	20,650.91	32,774.21	1,074,173.90
1,200.17	12,338.44	688.62	18,112.31	32,339.54	1,053,367.83
69.34	3,346.95	73.10	6,346.54	9,835.93	480,317.80
	733.19	286.57	4,113.03	5,132.79	93,032.89
	8,522.50		6,316.75	14,839.25	1,027,985.34
	8,500.00		9,253.06	17,753.06	2,248,937.42
850.00	15,435.00	416.00	18,977.00	35,678.00	2,727,738.01
	1,499.66		16,506.41	18,006.07	205,992.98
13,060.81	195,582.39	31,243.35	396,011.98	635,898.53	38,563,206.71
1,835.54	40,066.64	1,209.14	60,697.36	103,808.68	2,499,774.75
337	3,354	499	7,711	11,901	540,499
50	665	101	1,051	1,867	78,796
1	84	1	102	188	13,602
388	4,103	601	8,864	13,956	632,897

## STATEMENT "C"

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Acton.....	1,903	137	80 c.p.	<i>s</i> 9.00	2,024.31	1.06
		5	80 c.p.	<i>s</i> 12.00		
		2	250 c.p.	<i>s</i> 18.00		
		8	60 watt	<i>m</i> 4.00		
		62	100 watt	<i>m</i> 9.00		
		1	150 watt	<i>m</i> 12.00		
		1	200 watt	<i>m</i> 18.50		
		4	300 watt	<i>m</i> 20.00		
Agincourt.....		64	100 watt	<i>m</i> 12.00	756.00	**
Ailsa Craig.....	487	66	100 watt	<i>m</i> 10.00	696.00	1.43
		2	200 watt	<i>m</i> 18.00		
Alexandria.....	1,976	138	100 watt	<i>m</i> 14.00	1,950.00	0.99
		1	200 watt	<i>m</i> 24.00		
Alliston.....	1,715	102	150 c.p.	<i>s</i> 17.50	1,995.00	1.16
		12	100 watt	<i>m</i> 17.50		
Alvinston.....	693	82	100 watt	<i>m</i> 15.00	1,580.00	2.28
		6	300 watt	<i>m</i> 40.00		
		2	500 watt	<i>m</i> 55.00		
Amherstburg....	2,704	72	100 watt	<i>m</i> 15.00	2,315.88	††
		41	200 watt	<i>m</i> 20.00		
		16	300 watt	<i>m</i> 26.00		
Ancaster Twp....		35	100 watt	<i>m</i> 11.50	1,085.05	**
		49	150 watt	<i>m</i> 14.00		
Apple Hill.....		33	100 watt	<i>m</i> 14.50	478.50	**
Arkona.....	403	48	100 watt	<i>m</i> 20.00	1,072.00	2.66
		4	150 watt	<i>m</i> 28.00		
Arnprior.....	4,019	179	100 watt	<i>m</i> 18.00	3,492.00	0.87
		10	300 watt	<i>m</i> 27.00		
Arthur.....	1,089	90	100 watt	<i>m</i> 15.50	1,395.00	1.28
Athens.....	626	40	100 watt	<i>m</i> 14.00	1,204.00	1.92
		23	200 watt	<i>m</i> 28.00		
Aylmer.....	1,985	192	100 watt	<i>m</i> 10.00	2,788.00	1.40
		23	500 watt	<i>m</i> 36.00		
		1	Traffic signal	<i>m</i> 40.00		
Ayr.....	748	84	100 watt	<i>m</i> 10.00	1,192.00	1.59
		16	300 watt	<i>m</i> 22.00		

NOTE: The "Cost to municipality in 1941" represents the charges billed to the municipality by the utility for street lighting service in the calendar year. This total charge differs in some cases from the total computed for the installation at the rates shown, for the following reasons:— FIRST: Certain equipment may have been in service for less than twelve months. Second: More equipment than shown for December 31 may have been in service earlier in the year.

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

# STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
Baden . . . . .		82	100 watt <i>m</i>	\$ c. 9.00	\$ c. 738.00	\$ c. **
Barrie . . . . .	10,095	{	484 150 c.p. <i>s</i>	9.00	6,216.50	0.62
			14 100 watt <i>m</i>	17.00		
			48 200 watt <i>m</i>	22.00		
			13 200 watt <i>m</i>	15.00		
			2 200 watt (Dock 6 mos.) <i>m</i>	12.00		
			13 300 watt <i>m</i>	25.00		
1 500 watt <i>m</i>	30.00					
Bath . . . . .	325	21	100 watt <i>m</i>	20.00	420.00	1.29
Beechville . . . . .		47	100 watt <i>m</i>	11.00	517.00	**
Beamsville . . . . .	1,227	{	5 60 watt <i>m</i>	8.00	2,033.77	1.70
			91 100 watt <i>m</i>	12.00		
			53 200 watt <i>m</i>	18.00		
Beaverton . . . . .	925	{	111 100 watt <i>m</i>	10.00	1,322.49	1.43
			11 100 watt (6 mos.) <i>m</i>	7.00		
			6 500 watt <i>m</i>	25.00		
Beeton . . . . .	583	{	65 150 c.p. <i>s</i>	16.00	1,264.00	2.17
			14 100 watt <i>m</i>	16.00		
Belle River . . . . .	836	90	100 watt <i>m</i>	12.00	1,034.00	1.24
Belleville . . . . .	14,876	{	26 100 c.p. <i>s</i>	9.50	10,968.86	0.74
			548 100 c.p. <i>s</i>	7.00		
			25 250 c.p. <i>s</i>	15.00		
			1 400 c.p. <i>s</i>	15.00		
			52 1,000 c.p. <i>s</i>	30.00		
			3 200 watt <i>m</i>	15.00		
			16 200 watt <i>m</i>	12.50		
			24 250 watt <i>m</i>	14.50		
221 300 watt <i>m</i>	20.00					
Blenheim . . . . .	1,873	{	167 150 c.p. <i>s</i>	12.00	2,627.00	1.40
			5 400 c.p. <i>s</i>	28.00		
			12 600 c.p. <i>s</i>	37.00		
			1 500 watt <i>m</i>	33.00		
			1 Traffic light <i>m</i>	16.00		
Bloomfield . . . . .	636	65	100 watt <i>m</i>	11.00	715.00	1.12
Blyth . . . . .	662	{	90 100 watt <i>m</i>	13.00	1,580.00	2.39
			20 200 watt <i>m</i>	20.50		
Bolton . . . . .	629	{	48 100 watt <i>m</i>	12.00	1,070.52	1.70
			23 200 watt <i>m</i>	21.50		
Bothwell . . . . .	683	{	70 100 watt <i>m</i>	10.00	1,225.02	1.79
			21 300 watt <i>m</i>	25.00		
Bowmanville . . . . .	3,850	{	184 100 c.p. <i>s</i>	10.00	3,902.28	1.01
			19 300 watt <i>m</i>	30.00		
			28 500 watt <i>m</i>	53.00		

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Bradford.....	1,041	{ 60 7	150 c.p. <i>s</i> 100 watt <i>m</i>	16.00 16.00	1,072.00	1.03
Brampton.....	5,702	{ 589 2 1 46 13	100 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i> 500 watt <i>m</i> Fire alarm lights <i>m</i>	8.00 28.00 35.00 37.50 6.50	6,623.18	1.16
Brantford.....	30,947	{ 149 3,477 8 2 18 4	1,500 c.p. <i>s</i> 100 watt <i>m</i> 250 watt <i>m</i> 300 watt <i>m</i> 750 watt <i>m</i> 750 watt <i>m</i>	45.00 7.50 10.00 16.00 37.00 46.00	33,729.56	††
Brantford Twp.....		405	100 watt <i>m</i>	10.00	3,996.25	**
Brechin.....	†	34	100 watt <i>m</i>	14.00	476.00	**
Bridgeport.....		{ 60 12	100 watt <i>m</i> 100 watt (bridge) <i>m</i>	13.00 8.00	876.00	**
Brigden.....		{ 46 9 12	60 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i>	11.00 14.00 20.00	841.99	**
Brighton.....	1,462	{ 127 10	100 c.p. <i>s</i> 300 watt <i>m</i>	14.00 25.00	2,028.12	1.40
Brockville.....	9,996	{ 660 10 35 51 13	100 c.p. <i>s</i> 100 watt <i>m</i> 3 Lt. stands <i>m</i> 5 Lt. stands <i>m</i> 300 watt <i>m</i>	10.00 19.00 21.00 24.00 20.00	8,991.50	0.90
Brussels.....	784	{ 81 18	100 watt <i>m</i> 200 watt <i>m</i>	12.00 18.00	1,296.00	1.65
Burford.....		67	100 watt <i>m</i>	10.00	670.08	**
Burgessville.....		24	100 watt <i>m</i>	13.00	312.00	**
Caledonia.....	1,425	{ 153 9 20 2 10 1	100 watt <i>m</i> 100 watt (twp.) <i>m</i> 100 watt (bridge) <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i>	9.00 13.00 9.50 14.00 22.50 32.00	1,944.96	1.36
Campbellville.....		20	100 watt <i>m</i>	20.00	400.00	**
Cannington.....	753	{ 65 1 3 3	100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i>	15.00 18.50 22.00 32.00	1,155.48	1.53

†Includes Mara and Thorah townships.

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
Capreol.....	1,660	90	100 watt <i>m</i>	\$ c. 14.00	\$ c. 1,260.00	\$ c. 0.76
Cardinal.....	1,602	{ 52 12	100 watt <i>m</i> 200 watt <i>m</i>	15.00 21.00	992.00	0.62
Carleton Place..	4,143	{ 85 102 70	60 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	13.00 20.00 25.00	4,885.25	1.18
Cayuga.....	700	{ 94 1	100 watt <i>m</i> 150 watt (traffic) <i>m</i>	16.00 20.00	1,491.99	2.13
Chatham.....	17,148	{ 752 19 51 37 75 139	150 c.p. <i>s</i> 250 c.p. <i>s</i> 600 c.p. <i>s</i> 150 c.p. orn. <i>s</i> 600 c.p. orn. <i>s</i> 1,000 c.p. orn. <i>s</i>	13.00 16.00 31.00 12.00 30.00 38.00	19,888.51	††
Chatsworth.....	333	41	100 watt <i>m</i>	13.00	533.00	1.60
Chesley.....	1,812	126	150 c.p. <i>s</i>	11.00	1,386.00	0.76
Chesterville.....	1,094	87	100 watt <i>m</i>	13.00	1,131.00	1.03
Chippawa.....	1,228	{ 89 28	100 watt <i>m</i> 200 watt <i>m</i>	13.00 25.00	1,833.13	1.49
Clifford.....	491	{ 64 10	100 watt <i>m</i> 200 watt <i>m</i>	13.00 20.00	1,032.00	2.10
Clinton.....	1,879	{ 152 8 29 1	150 c.p. <i>s</i> 100 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i>	11.00 11.00 31.00 55.00	2,766.22	1.47
Cobden.....	643	{ 38 12	100 watt <i>m</i> 150 watt <i>m</i>	12.50 19.00	703.00	1.09
Cobourg.....	5,062	{ 203 197 2 11 30	80 c.p. <i>s</i> 100 watt <i>m</i> 250 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i>	10.00 10.00 23.00 30.00 47.50	5,928.42	1.17
Colborne.....	960	{ 122 5	60 c.p. <i>s</i> 100 watt <i>m</i>	12.00 12.00	1,524.00	1.59
Coldwater.....	606	{ 50 19	100 watt <i>m</i> 200 watt <i>m</i>	11.00 17.00	873.00	1.44
Collingwood....	5,636	425	150 c.p. <i>s</i>	9.00	3,819.75	0.68
Comber.....		{ 50 7	100 watt <i>m</i> 200 watt <i>m</i>	12.00 18.00	726.00	**
Cookstown.....		57	150 c.p. <i>s</i>	15.00	855.00	**
Cottam.....		32	100 watt <i>m</i>	15.00	480.00	**

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.  
††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
Courtright.....	344	43	100 watt <i>m</i>	\$ c. 15.00	\$ c. 645.00	\$ c. 1.88
Creemore.....	661	63	100 watt <i>m</i>	12.00	756.00	1.14
Dashwood.....		44	100 watt <i>m</i>	11.00	484.02	**
Delaware.....		23	100 watt <i>m</i>	12.00	276.00	**
Delhi.....	2,430	{ 175 1 17 1	{ 100 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> 150 watt <i>m</i> (caution light)	{ 12.00 17.50 25.00 17.50	2,447.64	1.01
Deseronto.....	1,002	138	100 c.p. <i>s</i>	12.00	1,649.00	1.65
Dorchester.....		74	100 watt <i>m</i>	10.00	740.00	**
Drayton.....	521	80	100 watt <i>m</i>	12.00	960.00	1.84
Dresden.....	1,525	{ 120 8 12 15 12	{ 100 c.p. <i>s</i> 400 c.p. <i>s</i> 400 c.p. <i>s</i> 50 watt (arch) <i>m</i> 100 watt (bridge) <i>m</i>	{ 13.00 21.50 23.00 4.56 12.00	2,219.28	1.46
Drumbo.....		41	100 watt <i>m</i>	13.00	533.00	**
Dublin.....		50	100 watt <i>m</i>	11.00	550.00	**
Dundalk.....	686	82	100 watt <i>m</i>	13.00	1,066.00	1.55
Dundas.....	5,001	{ 289 20 12 6 54 5	{ 100 watt <i>m</i> 100 watt <i>m</i> (Memorial Square) 200 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	{ 12.00 Free 16.00 26.00 32.00 24.00	5,664.00	††
Dunnville.....	3,916	{ 148 27 128 1	{ 150 c.p. <i>s</i> 600 c.p. <i>s</i> 100 watt <i>m</i> 150 watt <i>m</i>	{ 10.50 31.50 10.00 12.00	3,669.09	0.94
Durham.....	1,874	{ 106 6	{ 150 c.p. <i>s</i> 400 c.p. <i>s</i>	{ 14.00 22.00	1,622.00	0.87
Dutton.....	784	116	100 watt <i>m</i>	9.00	1,037.94	1.32
East York Twp.....		{ 1,300 21 261	{ 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	{ 13.00 19.50 26.00	22,945.00	**
Elmira.....	2,068	{ 191 9 2 4 1	{ 100 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> 400 watt <i>m</i> 500 watt <i>m</i>	{ 9.00 12.00 23.00 36.50 28.00	2,041.00	0.99

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
Elmvale.....		58	100 watt <i>m</i>	\$ c. 12.00	\$ c. 696.00	\$ c. **
Elmwood.....		25	150 watt <i>m</i>	16.00	396.05	**
Elora.....	1,185	{ 28 82	200 watt <i>m</i> 100 watt <i>m</i>	16.00 11.00	1,353.68	1.14
Embro.....	460	53	100 watt <i>m</i>	12.00	636.00	1.38
Erieau.....	281	28	100 watt <i>m</i>	18.00	504.00	1.79
Essex.....	1,886	{ 138 16 5 51 1 6 10	60 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i> 300 watt orn. <i>m</i> 500 watt orn. <i>m</i> Empty sockets <i>m</i> Empty sockets orn. <i>m</i> Decorative lights <i>m</i>	7.50 10.00 14.00 18.00 28.00 4.50 1.50 75c per 100 watt per month	2,348.17	††
Etobicoke Twp.....		{ 2 1,059 22 8 9 4	25 watt <i>m</i> 100 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i>	12.50 per 100 watt 12.50 17.00 14.50 29.00 36.00	13,955.49	**
Exeter.....	1,654	{ 175 4 32 3	100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 100 watt (Park) <i>m</i>	9.50 20.00 33.00 8.50	2,790.89	1.69
Fergus.....	2,759	{ 145 20 22 4	100 watt <i>m</i> 150 watt <i>m</i> 300 watt orn. <i>m</i> Traffic lights <i>m</i>	11.00 14.50 27.50 18.00	2,490.00	0.90
Finch.....	396	39	100 watt <i>m</i>	13.00	507.00	1.28
Flesherton.....	452	{ 54 1	100 watt <i>m</i> 300 watt <i>m</i>	11.00 26.00	620.00	1.37
Fonthill.....	860	{ 72 14	100 watt <i>m</i> 300 watt <i>m</i>	14.00 25.00	1,358.00	1.58
Forest.....	1,562	{ 109 150	60 watt <i>m</i> 100 watt <i>m</i> (Station platform) <i>m</i>	7.00 11.00 51.00	2,456.21	1.57

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Forest Hill.....	12,172	{ 612	100 watt	<i>m</i> 12.00	8,533.55	0.70
		{ 1	200 watt	<i>m</i> 19.00		
		{ 3	300 watt	<i>m</i> 27.00		
		{ 28	300 watt	<i>m</i> 38.00		
		{ 5	400 watt	<i>m</i> 61.00		
		{ 3	Traffic lights	<i>m</i> 25.80		
Fort William....	24,843	{ 387	100 c.p.	<i>s</i> 8.00	19,755.56	0.80
		{ 58	400 c.p.	<i>s</i> 18.00		
		{ 77	600 c.p.	<i>s</i> 28.00		
		{ 244	1,000 c.p.	<i>s</i> 38.00		
		{ 26	25 watt	<i>m</i> 2.70		
		{ 188	100 watt	<i>m</i> 8.00		
Galt.....	14,584	{ 115	300 watt	<i>m</i> 23.00	15,346.50	1.05
		{ 989	100 c.p.	<i>s</i> 9.00		
		{ 294	100 watt	<i>m</i> 6.50		
		{ 100	100 watt	<i>m</i> 8.00		
		{ 22	100 watt	<i>m</i> 16.00		
		{ 18	150 watt	<i>m</i> 8.50		
Georgetown†....	2,452	{ 130	150 watt	<i>m</i> 9.00	2,900.00	.....
		{ 4	300 watt	<i>m</i> 16.50		
		{ 80	300 watt	<i>m</i> 17.00		
		{ 12	300 watt	<i>m</i> 26.00		
		{ 165	100 watt	<i>m</i> 11.00		
		{ 1	300 watt (floodlight)	<i>m</i> 19.00		
Glencoe.....	827	{ 5	300 watt	<i>m</i> 30.00	2,006.80	2.43
		{ 16	500 watt	<i>m</i> 38.50		
		{ 106	100 watt	<i>m</i> 14.00		
		{ 9	200 watt	<i>m</i> 20.00		
		{ 14	300 watt	<i>m</i> 30.50		
		{ 327	100 c.p.	<i>s</i> 9.00		
Goderich.....	4,674	{ 8	100 watt	<i>m</i> 15.00	4,508.00	0.96
		{ 4	250 watt	<i>m</i> 18.00		
		{ 7	400 watt	<i>m</i> 35.00		
		{ 8	500 watt	<i>m</i> 37.00		
		{ 16	600 watt	<i>m</i> 52.00		
		{ 42	100 watt	<i>m</i> 12.00		
Grand Valley...	645	{ 13	300 watt	<i>m</i> 32.00	920.00	1.43
		{ 37	100 watt	<i>m</i> 10.00		
Gravenhurst....	2,261	{ 37	100 watt	<i>m</i> 10.00	2,118.32	0.94
		{ 134	150 c.p.	<i>s</i> 10.00		
		{ 4	50 watt	<i>m</i> 7.50		
		{ 20	100 watt	<i>m</i> 10.00		
		{ 12	100 watt (6 mos.)	<i>m</i> 6.00		
		{ 16	300 watt	<i>m</i> 30.00		
Guelph.....	22,500	{ 18	50-60 watt	<i>m</i> 4.00	19,451.44	0.86
		{ 1,400	100 watt	<i>m</i> 10.00		
		{ 192	200 watt	<i>m</i> 12.50		
		{ 44	300 watt	<i>m</i> 18.75		
		{ 12	500 watt	<i>m</i> 25.00		
		{ 40	500 watt	<i>m</i> 34.00		
		{ 13	1,000 watt	<i>m</i> 46.50		

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

†Includes Glen Williams.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Hagersville . . . . .	1,369	{ 115 20 2	100 watt 300 watt 1,000 watt	<i>m</i> 14.00 <i>m</i> 22.00 <i>m</i> 60.00	2,170.00	1.59
		{ 6 102 12	40 watt 50 watt 60 watt	<i>m</i> 4.50 <i>m</i> 6.00-7.00 <i>m</i> 8.00		
		8,322	100 watt	<i>m</i> 7.00-11.00		
		1,383	200 watt	<i>m</i> 11.00-13.00		
		114	300 watt	<i>m</i> 18.00-34.00		
Hamilton . . . . .	155,511	{ 1,090 65 2 2 10	500 watt 750 watt 1,000 watt 1,200 watt 500 watt (stands)	<i>m</i> 32.00-37.00 <i>m</i> 55.00 <i>m</i> 70.00 <i>m</i> 70.00 <i>m</i> 40.00	124,507.78	0.80
			840 watt (special)	<i>m</i> 72.00		
			1,280 watt (special)	<i>m</i> 131.00		
		{ 3	Danger signals	<i>m</i> 28.00		
Hanover . . . . .	3,190	{ 94 16 4 13	150 c.p. 250 c.p. 100 watt 200 watt	<i>s</i> 17.00 <i>s</i> 22.00 <i>m</i> 17.00 <i>m</i> 22.00	2,397.54	0.75
Harriston . . . . .	1,292	{ 79 4 13 29	150 c.p. 100 watt 150 watt 200 watt	<i>s</i> 12.00 <i>m</i> 12.00 <i>m</i> 13.50 <i>m</i> 15.00	1,606.50	1.24
Harrow . . . . .	1,092	{ 3 86	100 watt 200 watt	<i>m</i> 12.00 <i>m</i> 16.50	1,455.00	1.33
Hastings . . . . .	823	{ 66 8	100 watt 200 watt	<i>m</i> 16.00 <i>m</i> 20.00	1,300.10	1.58
			Decorative lights	<i>m</i> 92.00		
Havelock . . . . .	1,103	{ 64 25	100 c.p. 250 c.p.	<i>s</i> 15.00 <i>s</i> 24.00	1,560.00	1.41
Hensall . . . . .	686	84	100 watt	<i>m</i> 12.00	1,008.00	1.47
		{ 93 19 15	150 c.p. 250 c.p. 400 c.p. (stands)	<i>s</i> 12.50 <i>s</i> 14.00 <i>s</i> 26.00		
Hespeler . . . . .	3,037	{ 51 11 10 6 7	150 watt 250 watt 300 watt 300 watt (stands) 300 watt (Park)	<i>m</i> 13.00 <i>m</i> 17.50 <i>m</i> 19.00 <i>m</i> 26.00 <i>m</i> 27.00	3,200.50	1.05
Highgate . . . . .	324	{ 40 6 1	100 watt 200 watt 300 watt	<i>m</i> 11.00 <i>m</i> 17.00 <i>m</i> 25.00	567.00	1.75
Holstein . . . . .		15	100 watt	<i>m</i> 23.00	345.00	**
Humberstone . . . . .	2,381	{ 109 18	100 watt 200 watt	<i>m</i> 12.50 <i>m</i> 17.50	1,663.12	0.70

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Huntsville.....	2,943	{ 69	150 c.p.	<i>s</i> 16.00	2,792.00	0.95
		{ 1	250 c.p.	<i>s</i> 20.00		
		{ 45	75 watt	<i>m</i> 10.00		
		{ 11	100 watt	<i>m</i> 12.00		
		{ 6	200 watt	<i>m</i> 16.00		
		{ 3	300 watt	<i>m</i> 20.00		
		{ 31	500 watt	<i>m</i> 30.00		
Ingersoll.....	5,756	{ 13	100 c.p. (6 mos.)	<i>s</i> 5.50	4,841.52	††
		{ 336	100 c.p.	<i>s</i> 10.00		
		{ 2	600 c.p.	<i>s</i> 28.00		
		{ 2	1,000 c.p. (church)	<i>s</i> 25.00		
		{ 26	1,000 c.p.	<i>s</i> 35.00		
		{ 12	300 watt	<i>m</i> 30.00		
Iroquois.....	1,123	{ 56	150 c.p.	<i>s</i> 10.00	927.00	0.83
		{ 11	400 c.p.	<i>s</i> 17.00		
		{ 20	100 watt	<i>m</i> 9.00		
Jarvis.....	536	78	100 watt	<i>m</i> 11.00	858.00	1.60
Kemptville.....	1,230	{ 78	100 watt	<i>m</i> 18.00	1,786.00	1.45
		{ 17	150 watt	<i>m</i> 21.00		
		{ 1	250 watt	<i>m</i> 25.00		
Kincardine.....	2,483	{ 168	150 c.p.	<i>s</i> 18.00	4,370.00	1.76
		{ 30	100 watt	<i>m</i> 13.00		
		{ 42	200 watt	<i>m</i> 23.00		
		{ 1	1,000 watt	<i>m</i> 80.00		
Kingston.....	26,741	{ 105	100 c.p.	<i>s</i> 12.00	21,219.34	0.80
		{ 1	250 c.p.	<i>s</i> 25.00		
		{ 2	400 c.p.	<i>s</i> 30.00		
		{ 275	600 c.p.	<i>s</i> 35.00		
		{ 258	600 c.p. orn.	<i>s</i> 40.00		
Kingsville.....	2,453	{ 112	150 c.p.	<i>s</i> 10.50	2,884.44	††
		{ 25	250 c.p.	<i>s</i> 15.00		
		{ 127	100 watt	<i>m</i> 10.50		
Kirkfield.....		24	100 watt	<i>m</i> 18.00	432.00	**
Kitchener.....	33,281	{ 47	16 c.p.	<i>s</i> 7.00	32,239.06	††
		{ 2,089	80 c.p.	<i>s</i> 8.00		
		{ 167	250 c.p.	<i>s</i> 13.00		
		{ 26	1,000 c.p.	<i>s</i> 25.00		
		{ 248	100 watt	<i>m</i> 9.00		
		{ 467	200 watt	<i>m</i> 14.00		
		{ 58	300 watt	<i>m</i> 17.50		
		{ 109	500 watt	<i>m</i> 25.00		
Lakefield.....	1,301	114	100 watt	<i>m</i> 15.00	1,710.00	1.31
Lambeth.....		{ 13	100 watt	<i>m</i> 11.00	763.00	**
		{ 20	300 watt	<i>m</i> 31.00		
Lanark.....	686	44	100 watt	<i>m</i> 13.00	572.00	0.83
Lancaster.....	570	40	100 watt	<i>m</i> 12.00	480.00	0.84

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
La Salle.....	907	67	100 watt	<i>m</i>	\$ c. 12.00	\$ c. 804.00	\$ c. 0.89
Leamington.....	6,048	{ 168	250 c.p.	<i>s</i>	15.00	5,699.89	††
		{ 8	600 c.p.	<i>s</i>	25.00		
		{ 187	100 watt	<i>m</i>	13.00		
		{ 27	200 watt	<i>m</i>	17.00		
		{ 11	300 watt	<i>m</i>	21.00		
Lindsay.....	7,241	{ 4	500 watt	<i>m</i>	35.00	6,309.69	0.87
		{ 428	100 c.p.	<i>s</i>	11.00		
Listowel.....	2,984	{ 27	1,000 c.p.	<i>s</i>	60.00	4,505.04	††
		{ 317	100 watt	<i>m</i>	10.00		
		{ 10	200 watt	<i>m</i>	25.00		
London.....	75,176	{ 33	500 watt	<i>m</i>	35.00	56,265.62	††
		{ 1,481	150 c.p.	<i>s</i>	10.00-11.00		
		{ 334	400 c.p.	<i>s</i>	18.00-24.00		
		{ 188	600 c.p.	<i>s</i>	28.00-30.00		
		{ 2	50 watt	<i>m</i>	5.00		
		{ 662	100 watt	<i>m</i>	10.00-14.00		
		{ 4	150 watt	<i>m</i>	12.00		
		{ 12	200 watt	<i>m</i>	9.34		
		{ 66	200 watt	<i>m</i>	14.00		
		{ 688	300 watt	<i>m</i>	18.00		
London Twp.....		{ 190	500 watt	<i>m</i>	35.00-40.00	1,454.40	**
		{ 1	750 watt	<i>m</i>	50.00		
		{ 66	100 watt	<i>m</i>	12.00		
		{ 6	100 watt	<i>m</i>	21.50		
		{ 2	200 watt	<i>m</i>	16.50		
Long Branch....	5,147	{ 10	300 watt	<i>m</i>	30.00	4,266.48	0.83
		{ 1	300 watt	<i>m</i>	31.00		
Lucan.....	643	{ 204	100 watt	<i>m</i>	12.00	1,467.68	2.28
		{ 117	200 watt	<i>m</i>	16.50		
Lucknow.....	977	{ 55	100 watt	<i>m</i>	14.00	1,485.00	1.52
		{ 21	300 watt	<i>m</i>	33.00		
Lynden.....		{ 69	100 watt	<i>m</i>	15.00	440.00	**
		{ 18	200 watt	<i>m</i>	25.00		
Madoc.....	1,130	{ 44	100 watt	<i>m</i>	10.00	1,395.95	1.24
		{ 340	25 watt	<i>m</i>	3.00		
		{ 69	100 watt	<i>m</i>	5.00		
Markdale.....	776	{	Decorative lights	<i>m</i>	30.95	1,001.00	1.29
		{ 61	100 c.p.	<i>s</i>	9.00		
		{ 20	250 c.p.	<i>s</i>	15.00		
		{ 4	100 watt	<i>m</i>	10.00		
Markham.....	1,197	{ 7	250 watt	<i>m</i>	15.00	1,698.00	1.42
		{ 112	100 watt	<i>m</i>	11.00		
		{ 10	200 watt	<i>m</i>	16.00		
Marmora.....	1,004	{ 12	300 watt	<i>m</i>	25.50	1,298.00	1.29
		{ 44	75 watt	<i>m</i>	13.00		
		{ 24	100 watt	<i>m</i>	16.00		
		{ 19	150 watt	<i>m</i>	18.00		

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
Martintown.....		16	100 watt <i>m</i>	\$ c. 11.00	\$ c. 176.00	\$ c. **
Maxville.....	811	68	150 watt <i>m</i>	17.00	1,157.53	1.43
Meaford.....	2,759	{ 193 28 30 4	150 c.p. <i>s</i> 100 watt <i>m</i> 200 watt <i>m</i> 500 watt <i>m</i>	12.00 12.00 20.00 40.00	3,329.37	1.21
Merlin.....		{ 35 12	100 watt <i>m</i> 200 watt <i>m</i> Decorative lights	15.00 21.00 51c per 100 watts per month	795.36	**
Merritton.....	2,916	{ 310 26	100 watt <i>m</i> 200 watt <i>m</i>	9.00 21.00	3,331.52	1.14
Midland.....	6,627	{ 328 52 30 8† 36	150 c.p. <i>s</i> 100 watt <i>m</i> 300 watt <i>m</i> 300 watt (6 mos.) <i>m</i> 500 watt <i>m</i>	11.00 11.00 22.00 12.00 40.00	6,376.00	0.96
Mildmay.....	764	{ 47 11	100 watt <i>m</i> 150 watt <i>m</i>	10.00 16.00	660.00	0.86
Millbrook.....	749	{ 35 20 3	60 watt <i>m</i> 100 watt <i>m</i> 300 watt <i>m</i>	12.00 14.00 25.00	783.20	1.05
Milton.....	1,915	{ 144 25	100 watt <i>m</i> 300 watt <i>m</i>	9.50 30.00	2,141.96	1.12
Milverton.....	994	{ 99 12	100 watt <i>m</i> 200 watt <i>m</i>	9.00 12.00	1,035.00	1.04
Mimico.....	7,194	{ 311 72 122	100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	12.00 20.00 26.00	8,337.44	1.16
Mitchell.....	1,670	{ 197 5 29 2	150 c.p. <i>s</i> 250 c.p. <i>s</i> 300 watt <i>m</i> 300 watt <i>m</i>	9.00 12.00 29.00 22.50	2,590.25	1.55
Moorefield.....		25	100 watt <i>m</i>	13.00	350.00	**
Morrisburg.....	1,484	{ 226 64	100 watt <i>m</i> 25 watt (6 mos.) <i>m</i>	11.00 39c per 100 watts per month	2,523.15	1.70
Mount Brydges.....		{ 47 1 17	100 watt <i>m</i> 200 watt <i>m</i> 200 watt orn. <i>m</i>	10.00 17.00 21.00	844.00	**
Mount Forest....	1,936	{ 163 37 3 6	100 watt <i>m</i> 150 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	10.00 13.00 15.00 20.00	2,275.92	1.18

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

†Dock lights owned by Dominion Government.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps		Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
					\$ c.	\$ c.	\$ c.
Napanee . . . . .	3,241	{ 165	100 watt	<i>m</i>	11.00	3,961.22	1.16
		{ 2	250 watt	<i>m</i>	28.00		
		{ 2	250 watt	<i>m</i>	30.00		
		{ 5	300 watt	<i>m</i>	27.00		
		{ 40	300 watt	<i>m</i>	30.00		
		{ 21	400 watt	<i>m</i>	36.00		
Neustadt . . . . .	431	39	150 c.p.	<i>s</i>	18.00	702.00	1.63
Newbury . . . . .	280	48	100 watt	<i>m</i>	15.00	720.00	2.57
Newcastle . . . . .	701	{ 55	60 watt	<i>m</i>	11.00	614.68	0.88
		{ 2	100 watt	<i>m</i>	14.00		
New Hamburg . . .	1,441	{ 165	100 watt	<i>m</i>	9.00	2,217.00	1.54
		{ 61	200 watt	<i>m</i>	12.00		
New Toronto . . .	7,514	{ 75	75 watt	<i>m</i>	13.00	7,767.44	1.03
		{ 11	150 watt	<i>m</i>	15.50		
		{ 13	200 watt	<i>m</i>	17.00		
		{ 280	300 watt	<i>m</i>	21.00-24.00		
		{ 3	1,000 watt	<i>m</i>	53.00		
Niagara Falls . . .	18,770	{ 844	100 c.p.	<i>s</i>	11.00	26,935.73	1.43
		{ 13	250 c.p.	<i>s</i>	13.00		
		{ 66	600 c.p.	<i>s</i>	18.00		
		{ 211	600 c.p.	<i>s</i>	37.00		
		{ 196	1,000 c.p.	<i>s</i>	42.00		
		{ 1	100 watt	<i>m</i>	11.00		
Niagara-on-the-Lake . . . . .	1,764	{ 217	100 watt	<i>m</i>	11.00	3,669.26	2.08
		{ 8	200 watt	<i>m</i>	18.00		
		{ 59	300 watt	<i>m</i>	20.00		
Nipigon Twp. . . . .		{ 33	100 watt	<i>m</i>	11.00	750.00	**
		{ 17	200 watt	<i>m</i>	21.00		
North Bay . . . . .	16,013	{ 552	100 c.p.	<i>s</i>	12.00	10,490.91	0.65
		{ 59	250 c.p.	<i>s</i>	24.00		
		{ 52	750 c.p.	<i>s</i>	50.00		
North York . . . . .		{ 185	100 watt	<i>m</i>	12.00-18.00	4,137.31	**
		{ 66	200 watt	<i>m</i>	19.00-23.00		
		{ 1	400 watt	<i>m</i>	31.00		
		{ 1	(floodlight)				
		{ 2	500 watt	<i>m</i>	25.80		
		{ 2	1,000 watt	<i>m</i>	65.00		
		{ 1	(floodlight)				
		{ 1	Safety light	<i>m</i>	30.00		
Norwich . . . . .	1,301	{ 124	100 watt	<i>m</i>	10.00	2,211.65	1.70
		{ 28	400 watt	<i>m</i>	35.00		
Norwood . . . . .	710	{ 77	100 c.p.	<i>s</i>	18.00	1,596.00	2.25
		{ 10	250 c.p.	<i>s</i>	21.00		
Oil Springs . . . . .	541	{ 41	100 watt	<i>m</i>	15.00	642.58	1.19
		{ 1	300 watt	<i>m</i>	31.00		

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Omeme. ....	630	{ 54 4 10	100 c.p. 100 watt 250 watt	<i>s</i> <i>m</i> <i>m</i> 14.00 12.50 28.00	1,075.26	1.71
Orangeville. ....	2,558	{ 100 51 38	150 c.p. 250 c.p. 300 watt	<i>s</i> <i>s</i> <i>m</i> 10.00 16.00 23.00		
Orono. ....		{ 51	100 watt Decorative lights	<i>m</i> <i>m</i> 15.00 47c per 100 watts per month		
Oshawa. ....	25,035	{ 868 54 112 30 1	100 c.p. 100 watt 150 watt 200 watt 500 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 11.00 12.00 13.00 18.00 27.00	12,194.82	0.49
Ottawa. ....	150,277	{ 337 891 914 59 779 44 2,795 30	100 c.p. 400 c.p. 600 c.p. Arc lamps 100 watt 500 watt 100 watt (Whiteway) 100 watt	<i>s</i> <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 7.00 25.00 35.00 45.00 6.00 35.00 48c per foot 5½c. per foot		
Otterville. ....		{ 63 13	100 watt 200 watt	<i>m</i> <i>m</i> 11.00 16.00		
Owen Sound. ....	13,599	{ 454 347 16 47	100 c.p. 250 c.p. 400 c.p. 500 c.p.	<i>s</i> <i>s</i> <i>s</i> <i>s</i> 11.00 14.00 21.00 35.00	11,855.09	0.87
Paisley. ....	730	91	100 watt	<i>m</i> 13.00		
Palmerston. ....	1,400	{ 66 1 11 25 9 4 19 32 1	80 c.p. 400 c.p. 60 watt 100 watt 150 watt 250 watt 300 watt 300 watt (stands) 500 watt	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 9.00 25.00 9.00 10.00 10.00 25.00 25.00 30.00 35.00		
Paris. ....	4,427	{ 479 2 10 34	100 c.p. 60 watt 400 watt 500 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> 8.50 7.00 28.00 35.00	5,555.50	1.25
Parkhill. ....	1,029	{ 89 15	100 watt 200 watt	<i>m</i> <i>m</i> 14.00 23.00		
Penetanguishene. ....	4,177	{ 193 4 1 6	150 c.p. 100 watt 200 watt 300 watt	<i>s</i> <i>m</i> <i>m</i> <i>m</i> 11.00 11.00 15.00 20.00		

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Perth.....	4,197	{ 84 14 7 19	100 c.p. 250 c.p. 400 c.p. 600 c.p.	<i>s</i> <i>s</i> <i>s</i> <i>s</i>	17.00 27.00 30.00 45.00	2,855.60 0.68
Peterborough...	24,400	{ 122 371 618 85	60 watt 100 watt 300 watt 300 watt	<i>m</i> <i>m</i> <i>m</i> <i>m</i>	12.00 13.00 20.00 45.00	22,451.66 0.92
Petrolia.....	2,768	{ 147 24 1	150 c.p. 600 c.p. 300 watt	<i>s</i> <i>s</i> <i>m</i>	12.00 43.00 24.00	2,820.00 1.02
Pictou.....	3,400	{ 327 3 29	100 c.p. 250 c.p. 600 c.p.	<i>s</i> <i>s</i> <i>s</i>	9.00 15.00 31.00	3,956.04 1.16
			Decorative lights	<i>s</i>	90.00	
Plattsville.....		34	100 watt	<i>m</i>	12.00	408.00 **
Point Edward...	1,175	{ 103 19 4	150 c.p. 250 c.p. 400 c.p.	<i>s</i> <i>s</i> <i>s</i>	13.00 20.00 22.00	1,802.64 1.53
Port Arthur....	23,790	{ 2,709 232 208	100 watt 300 watt 500 watt	<i>m</i> <i>m</i> <i>m</i>	5.00 10.00 15.00	19,684.11 0.83
Port Colborne...	6,772	{ 15 78 34 229 132	400 c.p. 600 c.p. 100 watt 100 watt 200 watt	<i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i>	25.00 30.00 12.00 14.00 18.00	8,701.43 ††
Port Credit.....	1,906	{ 289 8	100 watt 200 watt	<i>m</i> <i>m</i>	9.50 16.00	2,834.38 1.49
Port Dalhousie..	1,599	{ 131 2	100 watt 200 watt	<i>m</i> <i>m</i>	12.00 15.00	1,600.50 1.00
		{ 204 14 32	100 watt 300 watt 100 watt	<i>m</i> <i>m</i> <i>m</i>	10.00 18.00 6.00	
Port Dover.....	1,790	{ 4 306	(Summer) 300 watt (Summer) 25 watt (decorative)	<i>m</i> <i>m</i> <i>m</i>	10.00 67c. per 100 watts per month	2,739.02 1.53
Port Elgin.....	1,415	{ 103 120 26	100 watt (3 mos.) 100 watt 200 watt	<i>m</i> <i>m</i> <i>m</i>	14.00 14.00 22.00	2,732.77 1.93
Port Hope.....	4,997	{ 406 2 2 3	100 c.p. 250 c.p. 200 watt 300 watt	<i>s</i> <i>s</i> <i>m</i> <i>m</i>	10.00 22.00 14.50 20.50	4,180.66 0.83
Port McNicoll..	964	{ 66 19	100 watt 200 watt	<i>m</i> <i>m</i>	10.00 15.00	945.00 0.98

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Port Perry.....	1,175	{ 90 12	100 watt <i>m</i> 300 watt <i>m</i>	15.00 30.00	1,690.00	1.44
Port Rowan.....	700	58	100 watt <i>m</i>	14.00	863.99	1.23
Port Stanley....	824	{ 220 8	100 watt <i>m</i> 200 watt <i>m</i>	11.00 14.00	2,521.95	3.06
Prescott.....	2,930	{ 227 80	100 watt <i>m</i> 200 watt <i>m</i>	11.50 19.00	4,120.50	1.41
Preston.....	6,337	{ 135 224 9 40 5	150 c.p. <i>s</i> 100 watt <i>m</i> 250 watt <i>m</i> 500 watt <i>m</i> 500 watt stands. <i>m</i>	11.00 11.00 20.00 32.00 35.00	5,545.41	0.88
Priceville.....		16	100 watt <i>m</i>	30.00	480.00	**
Princeton.....		39	100 watt <i>m</i>	12.00	468.00	**
Queenston.....		25	100 watt <i>m</i>	16.00	397.35	**
Richmond.....	428	26	100 watt <i>m</i>	15.00	390.00	0.91
Richmond Hill..	1,317	{ 105 19 9	75 watt <i>m</i> 100 watt <i>m</i> 200 watt <i>m</i>	11.00 12.00 16.00	1,527.00	1.16
Ridgetown.....	1,986	{ 181 1 91 17 2 2 20	150 c.p. <i>s</i> 1,000 c.p. <i>s</i> 100 watt <i>m</i> 200 watt <i>m</i> 200 watt orn. <i>m</i> 250 watt <i>m</i> 500 watt <i>m</i>	8.50 38.00 8.50 16.00 16.00 18.00 33.00	3,504.84	††
Ripley.....	420	{ 28 21	100 watt <i>m</i> 200 watt <i>m</i>	17.00 30.00	1,124.00	2.68
Riverside.....	5,235	{ 275 71 14 10	75 watt <i>m</i> 150 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i>	9.00 13.00 15.00 18.50	3,797.40	††
Rockwood.....		91	100 watt <i>m</i>	9.00	815.25	**
Rodney.....	736	{ 70 23	100 watt <i>m</i> 300 watt <i>m</i>	10.00 25.00	1,275.00	1.73
Rosseau.....	305	47	100 watt <i>m</i>	30.00	1,410.00	4.62
Russell.....		50	100 watt <i>m</i>	16.00	800.00	**

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
St. Catharines...	28,625	2,229	100 watt <i>m</i>	8.00	27,277.49	††
		156	200 watt <i>m</i>	11.00		
		5	500 watt <i>m</i>	20.00		
		10	1,000 watt <i>m</i>	40.00		
		19	100 watt orn. <i>m</i>	10.00		
		71	200 watt orn. <i>m</i>	20.00		
		106	500 watt orn. <i>m</i>	34.00		
		31	200 watt special <i>m</i>	14.00		
		17	500 watt (bridge) <i>m</i>	20.00		
		146	100 watt (rural) <i>m</i>	9.00		
		4	60 watt	5.00		
				per 100 watts)		
St. George.....		40	100 watt <i>m</i>	11.00	511.00	**
		3	200 watt <i>m</i>	15.00		
		1	300 watt <i>m</i>	26.00		
St. Jacobs.....		43	100 watt <i>m</i>	10.00	430.00	**
St Marys.....	4,009	240	100 c.p. <i>s</i>	10.50	4,925.25	1.23
		106	250 c.p. <i>s</i>	14.00		
		20	150 watt <i>m</i>	12.00		
		32	300 watt <i>m</i>	22.00		
St Thomas.....	16,461	1,107	100 c.p. <i>s</i>	9.00	14,961.54	††
		28	250 c.p. <i>s</i>	13.00		
		114	600 c.p. <i>s</i>	34.00		
		2	600 c.p. <i>s</i>	32.00		
		6	60 watt <i>m</i>	4.50		
		36	100 watt (5 mos) <i>m</i>	5.00		
		2	100 watt <i>m</i>	10.00		
		22	300 watt <i>m</i>	22.00		
Sarnia.....	17,979	1,103	150 c.p. <i>s</i>	12.00	20,370.66	††
		55	250 c.p. <i>s</i>	16.50		
		74	400 c.p. <i>s</i>	22.00		
		77	600 c.p. <i>s</i>	35.00		
		14	600 c.p. <i>s</i>	45.00		
		7	100 watt <i>m</i>	12.00		
		22	150 watt <i>m</i>	16.50		
		1	200 watt <i>m</i>	18.50		
		1	250 watt <i>m</i>	20.50		
		5	250 watt <i>m</i>	22.00		
		1	1,000 watt <i>m</i>	54.00		
Scarborough Tp.....		210	100 c.p. <i>s</i>	12.00	15,667.70	**
		4	250 c.p. <i>s</i>	17.00		
		20	40 watt <i>m</i>	12.00		
		2	60 watt <i>m</i>	18.00		
		462	100 watt <i>m</i>	11.50-17.50		
		53	200 watt <i>m</i>	15.50-21.00		
		237	300 watt <i>m</i>	24.00-26.00		
		55	Empty sockets <i>m</i>	9.00-14.50		
Seaforth.....	1,782	120	100 c.p. <i>s</i>	9.50	2,039.00	1.14
		31	300 watt <i>m</i>	29.00		

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## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
Shelburne.....	1,053	98	150 c.p. <i>s</i>	\$ c. 9.00	\$ c. 882.00	\$ c. 0.84
		{ 291	100 c.p. <i>s</i>	11.00		
		{ 11	250 c.p. <i>s</i>	15.00		
		{ 13	400 c.p. <i>s</i>	18.00		
		{ 27	1,000 c.p. <i>s</i>	40.00		
Simcoe.....	6,340	{ 11	150 watt <i>m</i>	11.00	5,144.43	††
		{ 8	200 watt <i>m</i>	15.00		
		{ 6	200 watt orn. <i>m</i>	24.00		
		{ 1	500 watt <i>m</i>	53.00		
		{ 1	1,000 watt <i>m</i>	60.00		
Sioux Lookout..	1,967	107	100 watt <i>m</i>	21.00	2,055.40	1.04
		{ 18	50 watt <i>m</i>	9.00		
Smiths Falls....	7,741	{ 101	100 watt <i>m</i>	14.00	7,475.28	0.97
		{ 2	200 watt <i>m</i>	20.00		
		{ 266	300 watt <i>m</i>	22.00		
		{ 10	25 watt <i>m</i>	3.00		
Smithville.....		{ 82	100 watt <i>m</i>	12.00	‡1,447.00	**
		{ 1	200 watt <i>m</i>	18.00		
		{ 8	300 watt <i>m</i>	27.00		
		{ 114	100 watt <i>m</i>	12.00		
Southampton...	1,467	{ 55	250 watt <i>m</i>	17.00	2,467.68	1.68
		{ 50	60 watt (3 mos.) <i>m</i>	12.00		
		{ 1	Decorative string <i>m</i>	36.00		
Springfield.....	382	{ 3	100 watt <i>m</i>	9.50	611.50	1.60
		{ 53	100 watt <i>m</i>	11.00		
Stamford Twp....		916	100 watt <i>m</i>	9.00	8,208.00	**
Stayner.....	1,105	{ 86	150 c.p. <i>s</i>	10.00	1,212.00	1.10
		{ 22	200 watt <i>m</i>	16.00		
		{ 110	150 watt <i>m</i>	10.00		
Stirling.....	947	{ 2	300 watt <i>m</i>	24.75	1,637.04	1.73
		{ 15	500 watt <i>m</i>	32.50		
Stouffville.....	1,198	127	100 watt <i>m</i>	11.00	1,397.00	1.17
		{ 891	100 c.p. <i>s</i>	10.00		
		{ 83	600 c.p. <i>s</i>	25.00		
		{ 132	600 c.p. <i>s</i>	30.00		
Stratford.....	17,163	{ 11	1,000 c.p. <i>s</i>	35.00	17,113.77	1.00
		{ 49	1,000 c.p. <i>s</i>	34.00		
		{ 2	100 watt <i>m</i>	10.00		
		{ 4	500 watt <i>m</i>	34.00		
		{ 303	100 c.p. <i>s</i>	9.00		
Strathroy.....	2,969	{ 21	250 c.p. <i>s</i>	15.00	4,095.96	1.38
		{ 17	600 watt <i>m</i>	62.00		
		{ 42	100 watt <i>m</i>	10.50		
Streetsville.....	697	{ 33	200 watt <i>m</i>	15.00	1,358.50	1.95
		{ 13	500 watt <i>m</i>	32.50		

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

‡14 months' revenue.



## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Population	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Sudbury . . . . .	31,875	759	100 c.p.	<i>s</i> 12.00	26,115.13	0.82
		255	250 c.p.	<i>s</i> 16.00		
		2	600 c.p.	<i>s</i> 28.00		
		42	600 c.p.	<i>s</i> 50.00		
		2	1,000 c.p.	<i>s</i> 35.00		
		15	1,000 c.p.	<i>s</i> 57.00		
		68	1,500 c.p.	<i>s</i> 65.00		
		101	Mercury vapour	<i>s</i> 65.00		
			Decorative lighting	45c. per 100 watts		
Sunderland . . . . .		29	100 watt	<i>m</i> 20.00	730.00	**
		5	500 watt	<i>m</i> 30.00		
Sutton . . . . .	1,055	127	100 watt	<i>m</i> 13.00	2,203.34	2.09
		33	200 watt	<i>m</i> 17.00		
Swansea . . . . .	6,606	158	100 watt	<i>m</i> 12.00	4,942.19	0.75
		145	150 watt	<i>m</i> 20.00		
		32	200 watt	<i>m</i> 19.00		
Tara . . . . .	510	61	100 watt	<i>m</i> 11.00	1,177.00	2.31
		17	300 watt	<i>m</i> 30.00		
Tavistock . . . . .	1,080	85	100 watt	<i>m</i> 10.00	1,317.60	1.22
		39	200 watt	<i>m</i> 12.00		
Tecumseh . . . . .	2,237	18	400 c.p.	<i>s</i> 22.00	1,378.00	††
		81	100 watt	<i>m</i> 12.00		
		1	300 watt	<i>m</i> 24.00		
Teeswater . . . . .	873	48	100 c.p.	<i>s</i> 13.00	1,107.60	1.27
		15	250 c.p.	<i>s</i> 26.00		
Thamesford . . . . .		47	100 watt	<i>m</i> 11.00	517.00	**
Thamesville . . . . .	811	69	100 watt	<i>m</i> 9.00	1,337.76	1.65
		34	200 watt	<i>m</i> 15.50		
		7	200 watt orn.	<i>m</i> 18.00		
		1	250 watt	<i>m</i> 17.50		
Thedford . . . . .	598	71	100 watt	<i>m</i> 15.00	1,065.00	1.78
Thorndale . . . . .		32	100 watt	<i>m</i> 12.00	384.00	**
Thornton . . . . .		25	100 watt	<i>m</i> 20.00	500.00	**
Thorold . . . . .	5,080	413	75 watt	<i>m</i> 7.50	3,563.40	0.70
		2	100 watt	<i>m</i> 8.00		
		35	200 watt	<i>m</i> 12.00		
		2	300 watt	<i>m</i> 15.00		
Tilbury . . . . .	1,989	111	100 watt	<i>m</i> 12.00	1,876.07	0.94
		25	200 watt	<i>m</i> 20.00		
		164	25 watt	38c. per 100 watts per month		

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Tillsonburg . . . . .	4,602	{ 288 3 12 45 2 1	100 c.p. <i>s</i> 250 c.p. <i>s</i> 300 watt <i>m</i> 500 watt <i>m</i> Traffic signals <i>m</i> 60 watt (Police signal) <i>m</i>	9.50 13.00 32.00 42.00 10.32–18.36 9.00	5,049.54	1.10
Toronto . . . . .	648,098	{ 39,573 4,309 1,437 195 98 409 391	100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> 500 watt <i>m</i> 5-lt. stds. 100 w. <i>m</i> 1-lt stds 500 w <i>m</i> 1-lt stds 300 w <i>m</i>	7.85–11.85 11.75–20.00 15.50–20.50 25.00–30.00 40.50 40.50 37.25	464,318.82	0.72
Toronto Twp . . . . .		{ 478 1	100 watt <i>m</i> Intersection light <i>m</i>	11.50 43.20	5,374.21	**
Tottenham . . . . .	532	49	150 c.p. <i>s</i>	18.00	882.00	1.66
Trenton . . . . .	7,636	{ 48 312 4 53 1	600 c.p. <i>s</i> 100 watt <i>m</i> 200 watt <i>m</i> 200 watt <i>m</i> 500 watt <i>m</i>	63.00 10.50 15.00 23.00 63.00	7,616.11	1.00
Tweed . . . . .	1,181	{ 137 2	100 c.p. <i>s</i> 100 c.p. (special) <i>s</i>	13.00 15.00	1,809.92	1.53
Uxbridge . . . . .	1,480	{ 122 6 17 1 3	100 watt <i>m</i> 100 watt (5 mos) <i>m</i> 200 watt <i>m</i> 200 watt (5 mos.) <i>m</i> 300 watt <i>m</i>	11.00 8.00 16.00 11.00 20.00	1,692.61	1.14
Victoria Harbour	1,018	78	100 watt <i>m</i>	8.50	663.00	0.65
Walkerton . . . . .	2,534	{ 123 41 8	100 c.p. <i>s</i> 200 c.p. <i>s</i> 100 watt <i>m</i> Decorative lights <i>m</i>	14.00 24.50 14.00 100.00	2,900.47	1.14
Wallaceburg . . . . .	4,802	{ 230 18 56	150 c.p. <i>s</i> 400 c.p. <i>s</i> 300 watt <i>m</i>	12.00 22.00 31.00	4,847.04	1.01
Wardsville . . . . .	248	37	100 watt <i>m</i>	18.00	720.00	2.90
Warkworth . . . . .		{ 43 3	100 watt <i>m</i> 200 watt <i>m</i>	13.00 23.00	617.18	**
Waterdown . . . . .	867	{ 70 3 17 1	100 watt <i>m</i> 200 watt <i>m</i> 300 watt <i>m</i> Caution signal <i>m</i>	10.00 17.50 20.00 7.00	1,096.58	1.26

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

## STATEMENT "C"—Continued

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
				\$ c.	\$ c.	\$ c.
Waterford.....	1,294	{ 158 14 12 1	{ 100 watts 200 watt 250 watt 500 watt	{ <i>m</i> <i>m</i> <i>m</i> <i>m</i> 25.00	{ 8.00 15.00 18.00 25.00	{ 1,498.00 1.16
Waterloo.....	8,690	{ 390 121 95 5 18 3 9 10 44	{ 80 c.p. 100 c.p. 150 watt 200 watt 300 watt 500 watt 500 watt 300 watt 3-lt. stds. 450 watt 5-lt. stds.	{ <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 36.00	{ 8.00 10.00 10.00 12.00 21.00 30.00 35.00 25.00 36.00	{ 7,908.20 ††
Watford.....	1,023	{ 90 16	{ 100 watt 300 watt	{ <i>m</i> <i>m</i> 31.00	{ 12.50 31.00	{ 1,620.96 1.58
Waubashene.....		{ 48 10	{ 100 watt 100 watt (5 mos.)	{ <i>m</i> <i>m</i> 5.00	{ 9.00 5.00	{ 482.00 **
Welland.....	11,568	{ 175 14 429 26 66 12 3	{ 600 c.p. 600 c.p. 100 watt 200 watt 300 watt 300 watt orn. 500 watt	{ <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> <i>m</i> 28.00	{ 30.00 12.00 11.00 18.00 25.00 30.00 30.00	{ 12,040.84 ††
Wellesley.....		60	100 watt	<i>m</i>	11.00	660.00 **
Wellington.....	948	{ 84 5	{ 100 c.p. 150 c.p.	{ <i>s</i> <i>s</i> 19.00	{ 12.00 19.00	{ 1,102.98 1.16
West Lorne.....	840	{ 89 10	{ 100 watt 200 watt	{ <i>m</i> <i>m</i> 18.00	{ 10.00 18.00	{ 1,062.02 1.26
Weston.....	5,289	{ 424 15 111 3 20 4	{ 100 c.p. 100 c.p. 600 c.p. 100 watt 5-lt. stds. 300 watt 500 watt	{ <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> 26.00	{ 8.50 9.50 30.00 21.00 11.00 26.00	{ 7,498.67 1.42
Westport.....	725	{ 2 72	{ 50 watt 100 watt	{ <i>m</i> <i>m</i> 19.00	{ 10.00 19.00	{ 1,388.04 1.91
Wheatley.....	761	{ 64 5 43	{ 100 watt 150 watt 300 watt	{ <i>m</i> <i>m</i> <i>m</i> 22.50	{ 13.00 16.00 22.50	{ 1,786.32 2.35
Whitby.....	4,236	{ 120 21 70 112 2 30	{ 80 c.p. 100 c.p. 100 c.p. 100 watt 500 watt 500 watt	{ <i>s</i> <i>s</i> <i>s</i> <i>m</i> <i>m</i> <i>m</i> 48.00	{ 11.00 10.00 12.00 9.50 15.00 48.00	{ 4,904.04 1.16
Wiaraton.....	1,750	{ 115 27	{ 100 watt 200 watt	{ <i>m</i> <i>m</i> 23.00	{ 14.00 23.00	{ 2,388.94 1.37

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.



## STATEMENT "C"—Concluded

Street Lighting Installation in Hydro Municipalities, December 31, 1941; showing  
Rate per Lamp, Cost to Municipality in 1941, and Cost per Capita.

Municipality	Popula- tion	Number of lamps	Size and style of lamps	Interim rate per lamp per annum	Cost to municipality in 1941	Cost per capita
Williamsburgh . . . . .		{ 12	100 watt <i>m</i> Decorative lights <i>m</i>	\$ c. 15.00 106.92	\$ c. 286.92	\$ c. **
Winchester . . . . .	1,017	118	100 watt <i>m</i>	8.00	944.00	0.93
Windermere . . . . .	158	13	100 watt <i>m</i>	25.00	325.00	2.06
		{ 778	100 c.p. <i>s</i>	11.00		
		{ 157	250 c.p. <i>s</i>	15.00		
		{ 275	400 c.p. <i>s</i>	19.00		
		{ 4	600 c.p. <i>s</i>	26.00		
		{ 2,406	100 c.p. orn. <i>s</i>	13.00		
		{ 820	250 c.p. orn. <i>s</i>	17.00		
		{ 831	400 c.p. orn. <i>s</i>	21.50		
		{ 56	600 c.p. orn. <i>s</i>	29.50		
		{ 47	1,000 c.p. orn. <i>s</i>	39.50		
Windsor . . . . .	103,571	{ 80	100 watt <i>m</i>	8.50	107,831.76	††
		{ 2	150 watt <i>m</i>	11.50		
		{ 186	200 watt <i>m</i>	13.50		
		{ 69	300 watt <i>m</i>	19.00		
		{ 1,467	100 watt orn. <i>m</i>	10.00		
		{ 172	150 watt orn. <i>m</i>	13.00		
		{ 240	200 watt orn. <i>m</i>	15.00		
		{ 2	300 watt orn. <i>m</i>	21.50		
		{ 12	500 watt orn. <i>m</i>	32.00		
		{ 107	100 c.p. <i>s</i>	15.00		
Wingham . . . . .	2,114	{ 1	250 c.p. <i>s</i>	27.00	3,305.01	1.56
		{ 31	300 watt <i>m</i>	45.00		
		{ 10	500 watt <i>m</i>	55.00		
		{ 98	100 watt <i>m</i>	10.00		
Woodbridge . . . . .	946	{ 2	300 watt <i>m</i>	23.00	1,134.62	1.20
			Decorative lights <i>m</i>	108.00		
		{ 550	100 c.p. <i>s</i>	8.00		
		{ 11	250 c.p. <i>s</i>	20.00		
		{ 152	100 watt <i>m</i>	8.00		
Woodstock . . . . .	12,325	{ 42	200 watt <i>m</i>	16.00	8,880.00	0.72
		{ 1	250 watt <i>m</i>	12.00		
		{ 103	(floodlight) 300 watt <i>m</i>	24.00		
		{ 39	100 watt <i>m</i>	12.00		
Woodville . . . . .	392	{ 5	500 watt <i>m</i>	38.00	636.00	1.62
Wyoming . . . . .	530	52	100 watt <i>m</i>	15.00	780.00	1.47
		{ 2,322	100 watt <i>m</i>	12.00		
		{ 1,068	100 watt <i>m</i>	16.00		
		{ 66	200 watt <i>m</i>	19.00		
York Twp. . . . .		{ 21	300 watt <i>m</i>	27.00	46,905.68	**
		{ 3	500 watt <i>m</i>	52.00		
		{ 5	Empty sockets <i>m</i>	9.40		
Zurich . . . . .		63	100 watt <i>m</i>	11.00	693.00	**

\*\*Population not shown in Government statistics. *s* Series system. *m* Multiple system.

††Certain additional street lighting costs for special service are paid direct in form of debenture charges.

STATEMENT "D"

(pages 318 to 335)

Statistics relating to the Supply of Electrical Energy to Consumers  
in Ontario Urban Municipalities Served by  
The Hydro-Electric Power Commission  
for the year 1941

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STATEMENT "E"

(pages 336 to 353)

Cost of Power to Municipalities and Rates to Consumers for  
Domestic Service—Commercial Light Service—Power Service  
in Ontario Urban Municipalities Served by  
The Hydro-Electric Power Commission  
for the year 1941

**STATEMENT "D"****Statistics Relating to the Supply of Electrical Energy to  
Consumers in Urban Municipalities Served by  
The Hydro-Electric Power Commission**

Regarding the results of Hydro operation from the standpoint of the consumers, the following tabulation gives much useful and interesting information. For each main class of service in each urban municipal utility receiving power at cost from the Commission, Statement "D" lists the revenue, the consumption and the number of consumers, together with unit average costs and consumptions and other pertinent data.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or on account of the small quantity of power required by the municipality, the cost per horsepower to the municipality—and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

The accompanying diagram summarizes graphically certain data of Statement "D" respecting the average cost to the consumer. It will be observed that the total amount of energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D", and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 45 horsepower. The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

It should be kept in mind that the revenues reported in Statement "D", and used for purposes of calculating the net unit costs to the consumer, are the total revenues contributed by the consumers, and provide, in addition to the cost of power, sums specifically applicable to the retirement of capital, and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should also be noted that average costs per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give misleading results. The average cost per kilowatt-hour, as given in Statement "D" for respective classes of service in each municipality, are statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour to the consumers, even of the same classification, is in proportion to the respective rates for service. Instances even occur where for a class of consumers in one municipality, the average costs per kilowatt-hour are substantially lower than for the same class in another municipality, even though the rates are higher.



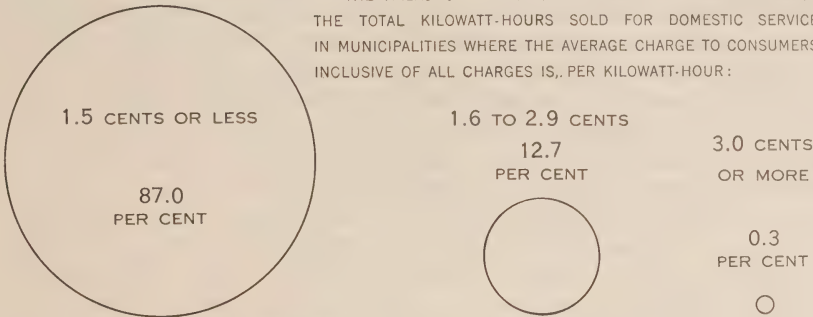
COST OF ELECTRICAL SERVICE

IN MUNICIPALITIES SERVED BY

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

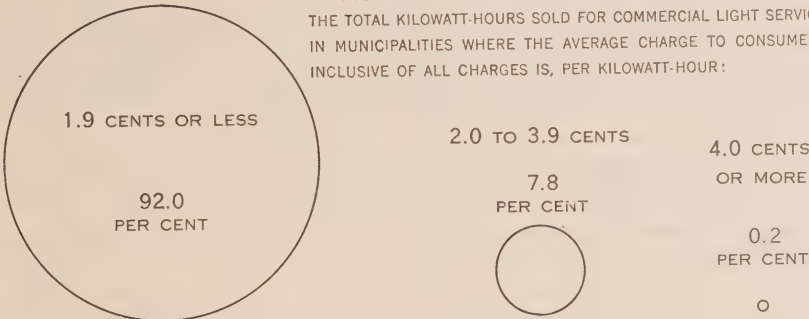
DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



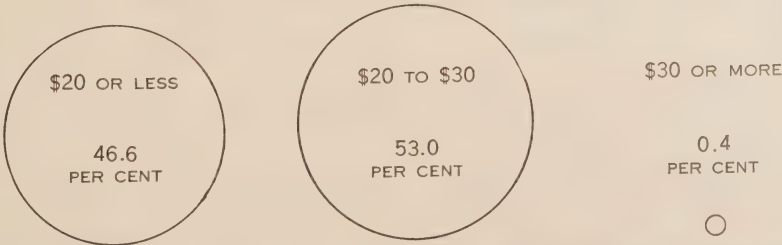
COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR:



With respect to domestic service, for example, instances may be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 50 per cent or more. Such variations are due principally to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

In the case of power service, average unit costs are still less reliable as an indication of the relative rates for service in different municipalities. In the case of hydro-electric power supplied to industries at cost, the rate schedules incorporate charges both for demand and for energy consumption, and thus, although the quantity of power taken by a consumer—that is, the demand as measured in horsepower—is the most important factor affecting costs and revenues, it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the energy consumption, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours' use of the power per month. A greater average energy consumption per horsepower increases the average cost per horsepower and decreases the average cost per kilowatt-hour to the consumer, and *vice versa*.\*

\*In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *not a criterion of rates* even with similar forms of rate schedules and for the same class of service. Particularly is this true when revenues and consumptions of all classes of service and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

*In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community a lower "average revenue per kilowatt-hour."*

EXAMPLE.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

Class of service	CASE A Higher rates and lower revenues per kilowatt-hour			CASE B Lower rates and higher revenues per kilowatt-hour		
	Energy sales	Rate per kw-hr.	Revenue	Energy sales	Rate per kw-hr.	Revenue
	kw-hr.	cents	\$	kw-hr.	cents	\$
Residence.....	1,000,000	4	40,000	3,000,000	3	90,000
Power.....	9,000,000	1	90,000	7,000,000	0.75	52,500
Total.....	10,000,000	....	130,000	10,000,000	....	142,500
Average revenue.....	1.3 cents per kw-hr.			1.425 cents per kw-hr.		

It will be observed that in Case A the rates both for residence and for power service are 33 per cent *higher* than in Case B, but the *average revenue* per kilowatt-hour is nearly 9 per cent less.

In this instance, the explanation lies in the *relative quantities* of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.

Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil a function in affording a general measure of the *economy of service* to consumers in the co-operating Ontario municipalities—an economy that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for making comparisons. In researches respecting rates to consumers therefore the actual *rate schedules* of Statement "E" should be employed and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons—and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E", or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments, the sizes and concentrations of adjacent markets for electricity, and the sizes and characters of the loads supplied under the various classifications by the local electrical utility to the consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns (under 2,000 population), villages, and suburban areas in townships (which are comparable in respect of conditions of supply to the smaller towns and villages). The populations are also given, and the situation of any municipality with respect to transmission lines and power supplies may be ascertained by consulting the maps at the end of the Report.

A feature of the electrical service in Ontario municipalities served by The Hydro-Electric Power Commission is the strikingly large average annual consumption per domestic consumer. Of the 88 cities and towns with populations of 2,000 or more—in which over 85 per cent of the domestic consumers of the undertaking are served—no less than 79 have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 57 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, and 27 have an average annual consumption per domestic consumer in excess of 2,000 kilowatt-hours. In addition 86 smaller urban municipalities have an average annual consumption exceeding 1,000 kw-hrs. per domestic consumer.

The high average consumption for domestic service results essentially from the policy of the undertaking in providing service "at cost"; the rate schedules designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 1 cent and 1.25 cents (less 10 per cent) are in common use, and as a rule even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of from \$2.00 to \$3.00 to obtain the benefit of a follow-up rate of 1.7 cents net. The cost of electric cooking is thus within reach of most of the domestic consumers in Ontario. Electric water heating is also encouraged by low flat rates for continuous heaters and by installation of equipment without capital cost to the consumer. In 1941, war conditions made necessary the suspension of new installations for water heating.



## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service  
Group I—CITIES

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Belleville.....	E.O.	14,876	86,710.19	9,895,920	3,450	239	2.09	0.9
Brantford.....	Nia.	30,947	177,747.10	14,984,584	8,054	155	1.84	1.2
Chatham.....	Nia.	17,148	98,205.69	5,841,558	4,340	112	1.89	1.7
Fort William.....	T.B.	24,843	229,486.80	35,181,367	6,701	438	2.85	0.7
Galt.....	Nia.	14,584	108,271.45	8,964,948	4,078	183	2.21	1.2
Guelph.....	Nia.	22,500	116,546.10	10,707,057	5,550	161	1.75	1.1
Hamilton.....	Nia.	155,511	894,646.18	76,212,669	40,810	156	1.83	1.2
Kingston.....	E.O.	26,741	174,672.35	16,046,993	7,001	191	2.08	1.1
Kitchener.....	Nia.	33,281	235,966.18	22,148,617	8,281	222	2.37	1.1
London.....	Nia.	75,176	569,223.31	54,894,548	18,571	246	2.55	1.0
Niagara Falls.....	Nia.	18,770	133,612.24	13,163,418	4,818	228	2.31	1.0
North Bay.....	N.O.P.	16,013	105,109.01	6,195,327	3,354	154	2.61	1.7
Oshawa.....	E.O.	25,035	209,518.33	14,191,152	6,524	181	2.68	1.5
Ottawa.....	E.O.	150,277	589,791.57	68,227,823	14,922	381	3.29	0.9
Owen Sound.....	G.B.	13,599	62,637.67	4,992,885	3,481	120	1.50	1.3
Peterborough.....	E.O.	24,400	175,412.76	15,823,793	6,243	211	2.34	1.1
Port Arthur.....	T.B.	23,790	133,004.98	15,216,130	5,474	232	2.02	0.9
St. Catharines.....	Nia.	28,625	162,450.88	14,343,784	7,684	156	1.76	1.1
St. Thomas.....	Nia.	16,461	134,560.58	14,217,697	4,524	262	2.47	0.9
Sarnia.....	Nia.	17,979	98,054.87	6,821,390	4,827	118	1.69	1.4
Stratford.....	Nia.	17,163	138,305.80	11,427,655	4,443	214	2.59	1.2
Sudbury.....	N.O.P.	32,301	231,282.37	14,856,372	7,711	161	2.50	1.6
Toronto.....	Nia.	648,098	4,120,990.26	354,457,009	150,570	196	2.28	1.2
Toronto D.C. and 60 cycle†.....			12,590.29	429,990	236	152	4.45	2.9
Welland.....	Nia.	11,568	60,349.10	4,209,133	2,815	125	1.79	1.4
Windsor.....	Nia.	103,571	709,174.98	51,804,748	24,711	175	2.39	1.4
Woodstock.....	Nia.	12,325	79,710.74	7,215,508	3,313	181	2.00	1.1

†This—with the exception of a relatively small D.C. power load—is a special service not created by The Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. It does not include street railway power.

## GROUP II—TOWNS

Amherstburg.....	Nia.	2,704	22,677.54	1,734,623	689	210	2.74	1.3
Arnprior.....	E.O.	4,019	17,554.25	906,343	798	94	1.83	1.9
Aylmer.....	Nia.	1,985	11,933.23	839,090	723	97	1.38	1.4
Barrie.....	G.B.	10,095	78,652.07	6,624,748	2,259	244	2.90	1.2
Bowmanville.....	E.O.	3,850	30,816.32	2,080,844	1,193	145	2.15	1.5
Brampton.....	Nia.	5,702	43,373.21	3,620,778	1,563	193	2.31	1.2
Brockville.....	E.O.	9,996	58,231.06	5,215,209	2,959	147	1.64	1.1
Carleton Place.....	E.O.	4,143	21,075.45	1,431,158	1,056	113	1.66	1.5
Cobourg.....	E.O.	5,062	37,699.45	2,348,088	1,422	138	2.21	1.6
Collingwood.....	G.B.	5,636	31,634.38	1,989,863	1,463	113	1.80	1.6
Delhi.....	Nia.	2,430	11,393.69	565,303	581	81	1.63	2.0
Dundas.....	Nia.	5,001	24,462.48	1,554,780	1,269	102	1.61	1.6
Dunnville.....	Nia.	3,916	15,587.53	908,510	998	76	1.30	1.7
Elmira.....	Nia.	2,068	15,914.23	1,055,671	542	162	2.45	1.5
Fergus.....	Nia.	2,759	20,592.39	1,135,660	753	125	2.28	1.8

## "D"

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941  
Population, 10,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c	cents	\$ c			
57,915.07	4,955,366	692	597	6.97	1.2	48,249.49	100	2,761.5	4,242
82,418.20	8,818,099	1,227	599	5.60	0.9	261,410.93	200	14,407.7	9,481
100,022.01	6,706,935	804	695	10.37	1.5	97,472.70	103	4,377.0	5,247
95,430.77	7,268,540	1,054	575	7.55	1.3	84,958.15	125	4,773.3	7,880
53,766.31	3,806,014	500	635	8.96	1.4	152,533.04	112	7,597.4	4,690
60,175.80	5,278,439	793	555	6.32	1.1	143,392.57	134	8,471.0	6,477
518,706.93	47,551,148	5,314	746	8.13	1.1	2,607,804.36	1,295	132,209.9	47,419
118,787.81	9,840,227	1,019	805	9.71	1.2	146,239.28	185	7,646.7	8,205
147,522.32	10,275,370	1,111	771	10.65	1.4	403,283.90	263	19,004.6	9,655
238,446.77	19,958,837	2,015	825	9.87	1.2	501,351.68	453	26,813.0	21,039
74,541.74	6,989,080	777	750	7.99	1.1	101,137.29	109	5,715.8	5,704
69,292.34	3,330,198	665	417	8.68	2.1	47,664.78	84	1,868.1	4,103
83,052.40	4,201,655	689	508	10.05	2.0	324,187.63	113	14,049.1	7,326
258,129.99	18,018,084	1,457	1,031	14.76	1.4	87,729.37	204	5,365.2	16,583
50,135.54	3,592,915	554	540	7.54	1.4	56,594.72	110	3,256.7	4,145
99,691.58	6,039,893	914	551	9.09	1.7	164,054.91	163	8,241.7	7,320
82,647.64	7,549,875	854	737	8.06	1.1	743,185.85	112	44,053.1	6,440
103,578.30	9,187,463	1,042	735	8.28	1.1	336,935.15	216	18,516.8	8,942
61,218.66	5,519,126	603	763	8.46	1.1	68,622.62	86	4,229.0	5,213
57,840.83	4,349,350	645	562	7.47	1.3	194,698.54	84	8,177.0	5,556
58,541.46	3,606,595	586	513	8.33	1.6	69,601.60	117	3,475.0	5,146
143,113.80	6,015,414	1,051	477	11.35	2.4	53,089.78	102	2,005.7	8,864
2,961,663.75	199,385,328	24,022	692	10.27	1.5	*4,634,031.22	4,280	196,867.0	178,872
47,686.45	1,244,910	340	305	11.69	3.8	281,069.95	754	10,996.0	1,330
41,264.47	3,071,449	437	586	7.87	1.3	239,929.87	92	11,066.9	3,344
416,301.38	29,027,333	3,227	750	10.75	1.4	691,162.38	482	32,157.9	28,420
47,389.13	3,759,298	470	667	8.40	1.3	94,103.62	96	5,509.0	3,879

NOTE—The above group of 26 cities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.

\*Does not include street railway power.

## of Population, 2,000 or more

8,800.82	537,280	130	344	5.64	1.6	6,077.62	15	275.3	834
10,251.73	361,100	150	200	5.69	2.8	17,895.13	20	810.2	968
10,483.80	706,960	157	375	5.56	1.5	5,677.70	13	337.8	893
49,284.93	3,246,324	431	628	9.53	1.5	25,055.91	52	1,293.4	2,742
10,850.44	570,416	155	306	5.83	1.9	62,343.54	26	2,435.3	1,374
20,406.45	1,255,149	259	404	6.57	1.6	24,110.04	53	1,433.2	1,875
27,511.21	2,389,663	412	483	5.56	1.2	49,692.01	76	2,880.2	3,447
9,489.40	464,696	187	207	4.23	2.0	28,064.26	18	1,416.9	1,261
20,765.36	1,078,106	234	384	7.40	1.9	27,150.37	49	1,390.4	1,705
16,029.84	883,891	208	354	6.42	1.8	32,023.20	50	1,854.8	1,721
10,730.96	461,249	146	263	6.12	2.3	7,290.15	6	269.9	733
13,587.01	899,670	190	395	5.96	1.5	32,927.36	37	2,030.0	1,496
16,797.22	1,084,351	223	405	6.28	1.5	17,401.31	28	1,038.0	1,249
8,909.11	420,261	121	289	6.14	2.1	7,169.67	20	364.2	683
9,413.50	451,230	109	344	7.19	2.1	22,084.58	12	874.6	874

**STATEMENT**

**Statistics Relating to the Supply of Electrical Energy to Consumers**  
**For Domestic Service, for Commercial Light Service**  
**Group II—TOWNS**

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw.-hr.
			\$ c.	kw.-hr.		kw.-hr.	\$ c.	cents
Forest Hill . . . . .	Nia.	12,172	206,124.88	15,767,810	3,315	396	5.18	1.3
Georgetown . . . . .	Nia.	2,452	20,180.43	1,375,289	783	146	2.15	1.5
Goderich . . . . .	Nia.	4,674	33,856.82	2,143,322	1,303	137	2.17	1.6
Gravenhurst . . . . .	G.B.	2,261	10,616.56	888,216	576	129	1.54	1.2
Hanover . . . . .	G.B.	3,190	21,162.83	1,292,445	803	134	2.19	1.6
Hespeler . . . . .	Nia.	3,037	17,381.11	1,091,739	808	113	1.79	1.6
Humberstone . . . . .	Nia.	2,831	10,597.65	557,090	712	65	1.24	1.9
Huntsville . . . . .	G.B.	2,943	13,682.90	1,207,965	705	143	1.62	1.1
Ingersoll . . . . .	Nia.	5,756	32,631.00	2,524,310	1,505	140	1.81	1.3
Kincardine . . . . .	G.B.	2,483	16,047.00	673,695	715	79	1.87	2.4
Kingsville . . . . .	Nia.	2,453	14,601.74	930,206	630	123	1.93	1.6
Leamington . . . . .	Nia.	6,048	27,362.01	1,920,736	1,599	100	1.43	1.4
Lindsay . . . . .	E.O.	7,241	46,064.53	3,366,983	2,080	135	1.85	1.4
Listowel . . . . .	Nia.	2,984	18,003.67	1,250,651	785	133	1.91	1.4
Long Branch . . . . .	Nia.	5,147	31,600.12	2,122,464	1,501	118	1.75	1.5
Meaford . . . . .	G.B.	2,759	14,133.55	716,002	731	82	1.61	2.0
Merritton . . . . .	Nia.	2,916	15,133.73	1,084,154	846	107	1.49	1.4
Midland . . . . .	G.B.	6,627	36,432.98	2,492,599	1,600	130	1.90	1.5
Mimico . . . . .	Nia.	7,194	60,948.58	4,766,755	2,053	193	2.47	1.3
Napanee . . . . .	E.O.	3,241	25,156.43	1,677,008	852	164	2.46	1.5
New Toronto . . . . .	Nia.	7,514	40,823.27	3,097,165	1,908	135	1.78	1.3
Orangeville . . . . .	G.B.	2,558	16,152.42	926,585	752	103	1.78	1.7
Paris . . . . .	Nia.	4,427	25,047.60	2,040,839	1,173	145	1.78	1.2
Penetanguishene . . . . .	G.B.	4,177	12,823.08	643,766	702	76	1.52	2.0
Perth . . . . .	E.O.	4,197	25,753.93	1,904,541	1,045	152	2.05	1.4
Petrolia . . . . .	Nia.	2,768	13,088.80	719,251	798	75	1.37	1.8
Pictou . . . . .	E.O.	3,400	24,286.85	1,565,025	1,082	121	1.87	1.6
Port Colborne . . . . .	Nia.	6,772	31,583.28	1,656,870	1,596	87	1.65	1.9
Port Hope . . . . .	E.O.	4,997	30,500.40	2,387,757	1,406	142	1.81	1.3
Prescott . . . . .	E.O.	2,930	20,600.54	1,607,629	738	182	2.33	1.3
Preston . . . . .	Nia.	6,337	34,775.76	2,656,695	1,557	142	1.86	1.3
Riverside . . . . .	Nia.	5,235	40,070.36	2,057,273	1,433	120	2.33	1.9
St. Marys . . . . .	Nia.	4,009	27,901.55	1,942,890	1,035	156	2.25	1.4
Simcoe . . . . .	Nia.	6,340	27,230.88	1,906,186	1,613	98	1.41	1.4
Smiths Falls . . . . .	E.O.	7,741	46,841.54	3,813,187	1,923	165	2.03	1.2
Strathroy . . . . .	Nia.	2,969	21,491.71	1,813,227	820	184	2.18	1.2
Swansea . . . . .	Nia.	6,606	78,977.41	5,550,506	2,036	227	3.23	1.4
Tecumseh . . . . .	Nia.	2,331	14,511.74	542,160	640	71	1.89	2.7
Thorold . . . . .	Nia.	5,080	20,895.35	1,552,065	1,227	105	1.42	1.3
Tillsonburg . . . . .	Nia.	4,602	19,279.35	1,281,575	1,200	89	1.34	1.5
Trenton . . . . .	E.O.	7,636	42,939.17	2,283,123	1,682	113	2.13	1.9
Walkerton . . . . .	G.B.	2,534	17,990.71	1,061,140	650	136	2.31	1.7
Wallaceburg . . . . .	Nia.	4,802	21,480.65	1,235,418	1,246	83	1.44	1.7
Waterloo . . . . .	Nia.	8,690	68,795.44	7,128,180	2,180	272	2.63	1.0
Weston . . . . .	Nia.	5,289	53,448.02	5,542,723	1,538	300	2.90	1.0
Whitby . . . . .	E.O.	4,236	28,409.62	2,042,292	966	176	2.45	1.4
Wingham . . . . .	G.B.	2,114	13,162.91	728,340	577	105	1.90	1.8



**"D"—Continued**

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941  
population, 2,000 or more

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
29,088.15	1,824,284	238	638	10.18	1.6	3,245.49	24	150.5	3,577
8,915.29	559,211	134	348	5.54	1.6	33,462.15	28	1,497.6	945
17,779.18	820,962	247	276	6.00	2.2	17,356.74	20	802.4	1,570
12,894.16	1,149,647	118	812	9.11	1.1	15,249.58	15	771.8	709
9,093.50	451,283	136	276	5.57	2.0	20,897.26	24	946.5	963
5,442.65	334,923	97	288	4.68	1.6	55,728.38	28	2,407.0	933
3,711.77	263,710	73	301	4.24	1.4	4,676.56	8	235.3	793
12,025.74	835,435	139	501	7.21	1.4	15,668.90	16	1,002.6	860
17,234.14	1,246,660	223	466	6.44	1.4	41,329.83	47	2,150.6	1,775
8,855.66	223,474	118	153	6.25	4.0	12,385.73	17	513.7	850
8,754.58	492,014	157	261	4.65	1.8	6,145.23	20	334.7	807
19,333.05	1,361,425	276	412	5.84	1.4	19,488.75	36	1,044.8	1,911
30,261.50	1,606,199	341	393	7.40	1.9	54,868.45	71	2,474.8	2,492
12,973.85	748,105	157	397	6.89	1.7	18,583.11	24	940.2	966
7,015.06	449,290	99	378	5.90	1.5	2,781.45	7	129.7	1,607
9,130.80	445,744	146	254	5.21	2.0	8,394.92	16	481.3	893
3,710.32	254,465	69	307	4.48	1.5	173,303.32	18	8,080.5	933
18,891.19	1,141,393	210	453	7.50	1.7	66,308.10	46	4,068.6	1,856
11,440.43	746,755	172	362	5.54	1.5	13,663.98	20	565.0	2,245
17,003.50	853,067	198	359	7.16	2.0	9,772.29	25	539.2	1,075
20,813.91	1,618,726	223	605	7.78	1.3	260,165.29	35	11,236.0	2,166
10,505.12	585,646	148	329	5.91	1.8	7,324.12	26	412.0	926
8,699.22	675,713	192	293	3.78	1.3	22,461.21	25	1,316.7	1,390
8,678.41	411,049	111	309	6.52	2.1	20,384.97	23	830.8	836
16,036.88	945,547	198	398	6.75	1.7	16,755.12	27	947.8	1,270
9,103.59	445,141	183	203	4.15	2.0	25,349.80	59	1,016.2	1,040
16,400.67	996,894	205	405	6.67	1.6	5,794.13	36	377.9	1,323
18,603.48	1,230,990	264	389	5.87	1.5	28,875.16	25	1,368.0	1,885
14,581.07	801,140	217	308	5.60	1.8	31,890.43	37	1,655.2	1,660
12,563.56	724,643	160	377	6.54	1.7	6,803.64	21	413.4	919
22,553.70	1,457,953	231	526	8.13	1.5	56,664.11	44	3,059.5	1,832
6,052.33	321,309	57	470	8.85	1.9	5,991.45	12	234.5	1,502
10,880.96	548,300	170	269	5.33	2.0	25,292.46	41	1,059.4	1,246
31,856.59	2,532,642	383	551	6.93	1.3	29,245.30	44	1,485.7	2,040
16,620.71	1,138,814	283	335	4.89	1.5	21,578.02	41	1,174.8	2,247
12,372.36	759,295	165	383	6.25	1.6	11,898.83	30	793.4	1,015
10,529.01	634,218	98	539	8.95	1.7	23,098.74	16	988.8	2,150
5,638.93	256,840	54	396	8.70	2.2	2,732.31	3	125.4	697
8,586.53	783,096	164	398	4.36	1.1	41,157.91	16	1,978.3	1,407
18,609.85	1,259,473	238	441	6.52	1.5	13,707.76	35	790.7	1,473
26,263.65	1,339,570	265	421	8.26	2.0	76,404.15	56	3,496.1	2,003
11,200.15	551,682	142	323	6.57	2.0	9,993.29	20	371.4	812
15,325.23	963,844	250	321	5.11	1.6	68,674.94	42	2,798.6	1,538
28,299.84	2,157,542	259	694	9.11	1.3	48,394.08	73	2,621.4	2,512
13,442.57	1,106,423	182	507	6.16	1.2	60,872.82	30	2,942.2	1,750
14,280.23	822,709	167	411	7.13	1.7	16,932.23	25	738.6	1,158
8,712.77	392,944	142	231	5.11	2.2	10,343.27	22	454.5	741

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group III—SMALL TOWNS (less than 2,000 population),

NOTE—The power used in the smaller places and rural districts is, and possibly must always be, a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group, which includes small towns, villages and certain suburban areas in townships, is less than 10 per cent of the power distributed by the Commission to Ontario municipalities. This relatively small proportion of the total power,

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Acton.....	Nia.	1,903	12,429.84	929,351	535	145	1.94	1.3
Agincourt.....	Nia.	P.V.	5,473.22	363,862	161	188	2.83	1.5
Ailsa Craig.....	Nia.	487	2,653.63	148,130	152	81	1.45	1.8
Alexandria.....	E.O.	1,976	7,326.19	203,455	388	44	1.57	3.6
Alliston.....	G.B.	1,715	11,981.76	545,500	373	122	2.68	2.2
Alvinston.....	Nia.	693	4,112.67	95,294	190	42	1.80	4.0
Ancaster Twp.....	Nia.		12,234.70	736,034	358	171	2.85	1.7
Apple Hill.....	E.O.	P.V.	1,389.81	30,888	63	41	1.84	4.5
Arkona.....	Nia.	403	3,155.99	82,415	111	62	2.37	3.8
Arthur.....	G.B.	1,089	5,530.88	145,087	228	53	2.02	3.8
Athens.....	E.O.	626	3,154.90	63,340	183	29	1.44	5.0
Ayr.....	Nia.	760	5,826.94	320,150	237	109	1.98	1.8
Baden.....	Nia.	P.V.	3,714.56	290,139	156	155	1.98	1.3
Bath.....	E.O.	325	2,083.39	53,814	55	82	3.16	3.9
Beachville.....	Nia.	P.V.	3,716.10	209,649	186	94	1.66	1.8
Beamsville.....	Nia.	1,227	10,790.74	826,075	377	183	2.39	1.3
Beaverton.....	G.B.	925	6,585.35	368,321	331	93	1.66	1.8
Beeton.....	G.B.	533	3,531.63	91,090	138	55	2.13	3.9
Belle River.....	Nia.	836	4,780.77	184,510	264	58	1.51	2.6
Blenheim.....	Nia.	1,873	9,473.95	557,189	557	83	1.42	1.7
Bloomfield.....	E.O.	636	3,270.63	137,607	170	67	1.60	2.4
Blyth.....	Nia.	662	3,809.78	141,334	183	64	1.73	2.7
Bolton.....	Nia.	629	4,402.20	253,808	185	114	1.98	1.7
Bothwell.....	Nia.	665	2,839.61	164,680	186	74	1.27	1.7
Bradford.....	G.B.	1,041	6,428.60	222,206	238	78	2.25	2.9
Brantford Twp.....	Nia.		25,668.83	1,675,477	1,138	123	1.88	1.5
Brechin.....	G.B.	P.V.	1,525.57	39,445	58	57	2.19	3.9
Bridgeport.....	Nia.	P.V.	5,085.45	235,932	186	105	2.28	2.2
Brigden.....	Nia.	P.V.	2,333.44	78,869	121	54	1.61	3.0
Brighton.....	E.O.	1,462	10,546.78	349,054	555	52	1.58	3.0
Brussels.....	Nia.	784	4,705.72	172,263	247	58	1.59	2.7
Burford.....	Nia.	P.V.	4,919.93	348,094	206	141	1.99	1.4
Burgessville.....	Nia.	P.V.	1,716.80	58,910	57	86	2.51	2.9
Caledonia.....	Nia.	1,430	7,050.93	365,403	438	70	1.34	1.9
Campbellville.....	Nia.	P.V.	1,536.04	52,311	56	78	2.29	2.9
Cannington.....	G.B.	753	5,370.28	220,485	235	78	1.90	2.4
Capreol.....	N.O.P.	1,660	9,227.32	321,930	337	80	2.28	2.9
Cardinal.....	E.O.	1,602	7,815.43	491,325	382	107	1.70	1.6
Cayuga.....	Nia.	700	3,953.31	138,507	179	64	1.84	2.9
Chatsworth.....	G.B.	333	2,100.65	78,660	96	68	1.82	2.7

“D”—Continued

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VILLAGES AND SUBURBAN AREAS

however, exerts upon the economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small water-power developments throughout the Province, or from purchased power. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement “D”, page 318.

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
5,488.67	354,261	92	321	4.97	1.5	28,332.64	17	1,163.8	644
1,328.71	65,766	26	211	4.26	2.0	984.36	3	65.3	190
1,305.34	52,082	35	124	3.11	2.5	1,101.11	4	45.2	191
4,834.93	130,600	103	106	3.91	3.7	3,799.18	15	105.0	506
8,389.60	310,135	109	237	6.41	2.7	3,274.91	15	188.2	497
2,009.70	60,961	52	98	3.22	3.3	518.94	2	17.5	244
3,239.94	170,415	42	338	6.43	1.9	1,190.92	6	63.9	406
960.20	33,906	24	118	3.33	2.8	440.92	2	24.3	89
1,747.05	40,698	35	97	4.16	4.3	138.97	1	2.7	147
5,085.13	125,365	87	120	4.87	4.1	1,319.92	8	94.1	323
1,678.61	55,020	56	82	2.50	3.1	882.81	1	32.9	240
1,960.71	98,220	43	190	3.80	2.0	696.49	5	34.6	285
2,117.30	116,047	34	284	5.19	1.8	6,409.83	3	264.5	193
761.01	17,410	14	104	4.53	4.4	.....	.....	.....	69
664.19	28,291	22	107	2.52	2.3	15,045.62	4	600.9	212
5,363.26	232,975	73	266	6.12	2.3	2,000.07	4	102.0	454
2,804.86	163,453	66	206	3.54	1.7	1,020.77	9	50.9	406
2,264.32	53,530	34	131	5.55	4.2	2,121.68	6	89.3	178
2,767.08	128,965	45	239	5.12	2.1	1,640.07	2	46.8	311
8,970.80	552,979	139	332	5.38	1.6	5,248.66	14	240.0	710
2,212.19	85,061	43	165	4.29	2.6	1,138.57	7	41.6	220
2,233.23	81,594	49	139	3.80	2.7	693.91	4	41.4	236
1,952.53	80,089	41	163	3.97	2.4	2,480.07	10	111.6	236
1,982.76	117,908	55	179	3.00	1.7	951.81	7	86.7	248
4,548.12	130,017	68	159	5.57	3.5	3,301.11	10	150.4	316
4,119.66	252,902	46	458	7.46	1.6	6,365.57	7	348.0	1,191
649.25	22,477	18	104	3.01	2.9	830.72	4	36.5	80
1,064.32	43,809	21	174	4.22	2.4	175.76	2	6.7	209
2,063.00	69,753	39	149	4.41	3.0	596.59	4	20.7	164
4,732.16	199,163	97	171	4.07	2.4	3,845.65	10	178.0	662
3,028.94	102,941	70	123	3.61	2.9	914.07	4	33.0	321
1,615.50	94,352	40	197	3.37	1.7	1,015.54	2	53.7	248
786.67	25,069	17	123	3.86	3.1	210.47	2	14.3	76
5,586.15	348,854	100	291	4.66	1.6	1,888.27	8	87.0	546
848.91	20,572	10	171	7.07	4.1	.....	.....	.....	66
2,391.20	82,589	62	111	3.21	2.9	1,938.55	10	101.4	307
3,687.25	151,683	50	253	6.15	2.4	721.78	1	25.0	388
2,419.34	120,156	59	170	3.42	2.0	371.52	2	18.0	443
3,944.97	130,256	65	167	5.06	3.0	766.97	6	35.4	250
1,304.19	51,883	34	127	3.20	2.5	.....	.....	.....	120



## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Chesley .....	G.B.	1,812	9,712.98	587,010	439	111	1.84	1.7
Chesterville .....	E.O.	1,094	5,002.39	360,680	248	121	1.68	1.4
Chippawa .....	Nia.	1,228	8,366.81	654,180	341	160	2.05	1.3
Clifford .....	Nia.	491	2,735.04	109,999	128	72	1.78	2.5
Clinton .....	Nia.	1,879	13,874.73	881,483	564	130	2.05	1.6
Cobden .....	E.O.	643	2,340.27	87,768	135	54	1.44	2.7
Colborne .....	E.O.	960	5,961.27	273,798	273	84	1.82	2.2
Coldwater .....	G.B.	606	3,592.33	183,755	162	95	1.85	2.0
Comber .....	Nia.	P.V.	2,204.96	83,485	115	60	1.60	2.6
Cookstown .....	G.B.	P.V.	2,370.88	61,659	113	45	1.75	3.8
Cottam .....	Nia.	P.V.	2,560.33	93,651	121	64	1.76	2.7
Courtright .....	Nia.	355	1,416.97	39,510	82	40	1.44	3.6
Creemore .....	G.B.	661	3,633.71	133,905	167	67	1.81	2.7
Dashwood .....	Nia.	P.V.	2,035.51	73,348	94	65	1.81	2.8
Delaware .....	Nia.	P.V.	2,117.62	130,108	66	164	2.67	1.6
Deseronto .....	E.O.	1,002	5,998.11	209,189	338	52	1.48	2.9
Dorchester .....	Nia.	P.V.	2,757.63	147,536	154	80	1.50	1.9
Drayton .....	Nia.	521	3,454.31	129,280	165	65	1.75	2.7
Dresden .....	Nia.	1,525	7,020.08	351,381	445	66	1.31	2.0
Drumbo .....	Nia.	P.V.	2,483.51	121,094	92	110	2.25	2.1
Dublin .....	Nia.	P.V.	1,183.20	41,225	58	59	1.70	2.9
Dundalk .....	G.B.	686	3,491.92	168,380	198	71	1.49	2.1
Durham .....	G.B.	1,874	7,262.60	421,905	464	76	1.30	1.7
Dutton .....	Nia.	784	3,232.58	205,810	228	75	1.18	1.6
East York Twp. ....	Nia.	.....	222,153.55	14,781,111	10,637	116	1.74	1.5
Elmvale .....	G.B.	P.V.	3,909.94	184,030	199	77	1.64	2.1
Elmwood .....	G.B.	P.V.	1,132.13	32,739	66	41	1.43	3.5
Elora .....	Nia.	1,185	8,212.28	432,240	351	102	1.94	1.9
Embro .....	Nia.	460	3,350.55	187,463	118	132	2.37	1.8
Erieau .....	Nia.	281	4,064.76	140,783	191	61	1.77	2.9
Erie Beach .....	Nia.	21	1,719.77	34,559	83	35	1.73	5.0
Essex .....	Nia.	1,886	8,410.74	485,950	515	79	1.36	1.7
Etobicoke Twp. ....	Nia.	.....	175,352.29	14,859,491	5,169	240	2.83	1.2
Exeter .....	Nia.	1,654	12,465.82	885,247	498	148	2.09	1.4
Finch .....	E.O.	396	2,318.15	128,976	96	112	2.01	1.8
Flesherton .....	G.B.	452	2,044.72	83,781	129	54	1.32	2.4
Fonthill .....	Nia.	860	5,306.52	254,735	272	78	1.63	2.1
Forest .....	Nia.	1,562	12,954.45	745,170	480	129	2.25	1.7
Glencoe .....	Nia.	827	5,280.46	196,363	222	74	1.98	2.7
Grand Valley .....	G.B.	645	3,616.84	101,300	177	47	1.70	3.6

“D”—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
6,078.54	328,300	101	271	5.02	1.9	7,400.52	22	411.0	562
3,894.35	173,839	74	196	4.39	2.2	2,125.50	3	95.8	325
3,211.43	215,806	54	333	4.96	1.5	1,218.54	2	42.7	397
2,037.02	81,534	38	179	4.47	2.5	546.25	1	18.0	167
8,326.85	431,050	136	264	5.10	1.9	5,847.97	16	269.0	716
2,429.30	65,039	47	115	4.31	3.7	376.12	1	12.6	183
3,222.81	154,651	75	172	3.58	2.1	868.60	5	44.0	353
1,303.40	54,048	50	90	2.17	2.4	692.97	2	28.5	214
1,953.92	63,570	46	124	3.54	2.8	2,003.46	4	77.2	165
1,565.12	36,454	32	95	4.08	4.3	1,225.53	3	60.3	148
1,601.37	85,573	29	246	4.60	1.9	192.24	1	15.0	151
804.65	26,525	22	100	3.05	3.0	974.71	1	12.5	105
1,622.32	74,248	54	115	2.51	2.2	1,041.19	3	70.2	224
1,147.11	33,790	26	108	3.63	3.4	1,176.24	3	47.5	123
734.64	26,006	15	144	4.08	2.8	.....	.....	.....	81
2,323.60	72,117	59	102	3.28	3.2	1,802.17	5	65.3	402
1,013.28	44,003	29	126	2.91	2.3	584.30	2	36.7	185
2,080.74	76,660	67	95	2.59	2.7	1,209.58	5	57.5	237
6,401.76	372,250	129	240	4.14	1.7	3,966.71	11	245.0	585
1,056.12	46,160	28	137	3.14	2.3	703.25	1	28.5	121
731.56	19,713	21	78	2.90	3.7	1,499.39	2	59.4	81
3,258.82	118,194	73	135	3.72	2.8	3,126.56	5	155.9	276
5,331.90	269,199	104	216	4.27	2.0	4,663.21	13	225.1	581
2,470.90	124,795	63	165	3.27	2.0	3,463.59	10	194.2	301
31,861.81	1,968,982	491	334	5.41	1.6	47,076.78	47	2,001.3	11,175
1,669.30	79,244	44	150	3.16	2.1	3,429.90	9	153.7	252
697.28	22,635	20	94	2.91	3.1	1,220.42	1	41.1	87
4,620.91	206,633	72	233	5.35	2.2	4,329.97	3	221.6	426
1,298.38	39,092	37	88	2.92	3.3	78.89	1	5.0	156
1,540.88	59,445	15	330	8.56	2.6	480.99	2	20.3	208
291.10	9,877	3	274	8.09	2.9	.....	.....	.....	86
8,269.01	542,965	129	351	5.34	1.5	9,135.06	21	518.7	665
35,327.15	2,430,001	282	718	10.44	1.5	33,176.78	41	1,488.5	5,492
7,176.61	344,616	122	235	4.90	2.1	3,767.76	14	244.1	634
1,669.72	61,332	34	150	4.09	2.7	437.21	1	12.0	131
1,704.62	61,453	48	106	2.95	2.8	712.02	2	33.7	179
1,851.70	85,365	36	198	4.29	2.2	530.97	3	19.2	311
7,483.39	314,416	130	202	4.80	2.4	5,359.63	20	241.8	630
4,156.67	161,817	81	166	4.23	2.6	3,278.98	9	122.8	312
2,292.44	63,135	52	101	3.67	3.6	1,764.89	4	76.0	233

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Granton.....	Nia.	P.V.	2,188.79	124,269	86	120	2.12	1.8
Hagersville.....	Nia.	1,347	6,718.26	379,668	391	81	1.43	1.8
Harriston.....	Nia.	1,292	7,418.57	425,501	385	92	1.61	1.7
Harrow.....	Nia.	1,092	10,580.79	775,266	325	199	2.71	1.4
Hastings.....	E.O.	823	3,855.15	130,665	227	48	1.42	3.0
Havelock.....	E.O.	1,103	4,722.09	170,537	291	49	1.35	2.8
Hensall.....	Nia.	686	4,627.18	212,030	217	81	1.78	2.2
Highgate.....	Nia.	324	1,690.82	65,410	102	53	1.38	2.6
Holstein.....	G.B.	P.V.	1,038.07	19,654	51	32	1.70	5.3
Iroquois.....	E.O.	1,123	5,874.57	264,904	276	80	1.77	2.2
Jarvis.....	Nia.	513	2,933.52	114,611	150	64	1.63	2.6
Kemptville.....	E.O.	1,230	7,183.31	361,890	347	87	1.73	2.0
Kirkfield.....	G.B.	P.V.	924.78	17,368	37	39	2.08	5.3
Lakefield.....	E.O.	1,301	6,331.04	278,435	343	68	1.54	2.3
Lambeth.....	Nia.	P.V.	3,350.37	240,432	134	150	2.08	1.4
Lanark.....	E.O.	686	2,903.72	101,470	166	51	1.46	2.9
Lancaster.....	E.O.	570	2,061.49	56,300	103	46	1.67	3.7
La Salle.....	Nia.	907	7,566.64	435,327	243	149	2.59	1.7
London Twp.....	Nia.	.....	14,149.52	1,157,037	455	212	2.59	1.2
Lucan.....	Nia.	643	4,684.17	314,701	177	148	2.21	1.5
Lucknow.....	G.B.	977	5,838.72	199,222	261	64	1.81	2.9
Lynden.....	Nia.	P.V.	2,586.66	135,406	101	112	2.13	1.9
Madoc.....	E.O.	1,130	4,946.94	208,324	301	58	1.35	2.4
Markdale.....	G.B.	776	3,784.00	197,250	231	71	1.36	1.9
Markham.....	Nia.	1,197	7,947.95	492,041	334	123	1.98	1.6
Marmora.....	E.O.	1,004	4,358.34	139,650	243	48	1.49	3.1
Martintown.....	E.O.	P.V.	703.29	27,364	47	49	1.25	2.6
Maxville.....	E.O.	811	3,218.99	106,401	158	56	1.70	3.0
Merlin.....	Nia.	P.V.	2,587.08	92,887	124	62	1.74	2.8
Mildmay.....	G.B.	764	3,712.95	200,361	171	98	1.81	1.9
Millbrook.....	E.O.	749	4,336.73	92,826	170	46	2.13	4.7
Milton.....	Nia.	1,915	12,993.02	770,253	530	121	2.04	1.7
Milverton.....	Nia.	994	5,130.07	422,850	256	138	1.67	1.2
Mitchell.....	Nia.	1,670	13,017.73	913,052	508	150	2.14	1.4
Moorefield.....	Nia.	P.V.	992.95	25,860	55	39	1.50	3.8
Morrisburg.....	E.O.	1,484	9,094.25	517,131	426	101	1.78	1.8
Mt. Brydges.....	Nia.	P.V.	2,958.98	139,004	150	72	1.64	2.1
Mt. Forest.....	G.B.	1,936	9,686.12	469,460	468	84	1.72	2.1
Neustadt.....	G.B.	431	2,019.50	32,207	98	27	1.72	6.3
Newbury.....	Nia.	280	1,260.35	29,605	70	35	1.50	4.3



## "D"—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941

## VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
1,056.66	39,674	28	118	3.14	2.5	17,150.78	13	849.2	114
6,157.40	361,645	120	251	4.28	1.7	6,365.50	12	279.3	524
5,230.73	245,615	103	198	4.23	2.1	3,738.11	7	178.7	500
5,287.77	238,526	82	242	5.37	2.2	185.64	3	15.2	414
2,278.04	63,997	52	103	3.65	3.6				282
2,668.06	70,533	57	103	3.90	3.8	1,912.14	2	68.8	350
2,226.51	74,830	59	106	3.14	3.0	3,077.32	14	148.5	290
832.18	28,180	36	65	1.93	3.0	1,194.65	6	61.8	144
738.70	20,397	22	77	2.71	3.6	261.47	2	17.5	75
3,865.55	175,759	76	193	4.24	2.2	2,001.19	5	91.4	357
2,186.23	105,191	45	195	4.05	2.1	3,420.19	3	131.3	198
5,051.48	230,455	85	225	4.95	2.2	4,458.48	5	181.8	437
1,041.30	25,299	14	151	6.20	4.1				51
4,444.43	183,752	70	218	5.29	2.4	4,497.88	6	206.2	419
1,331.27	61,299	23	222	4.82	2.2	513.96	3	50.7	160
1,616.65	60,527	40	126	3.36	2.7				206
1,263.34	41,560	30	115	3.51	3.0				133
1,546.44	59,431	14	354	9.21	2.6	283.20	2	10.5	259
2,082.82	134,306	20	560	8.68	1.6	1,806.92	5	85.2	480
2,433.41	98,067	51	160	3.98	2.5	1,370.24	6	66.9	234
4,505.05	104,746	85	102	4.42	4.3	7,041.30	6	181.3	352
759.23	27,188	17	133	3.72	2.8	834.73	2	44.2	120
4,072.29	159,142	86	154	3.95	2.6	1,368.56	4	73.3	391
2,869.43	204,826	75	228	3.19	1.4	2,441.17	9	140.4	315
3,312.51	163,114	72	189	3.83	2.0	3,248.33	9	153.2	415
2,269.53	96,657	46	175	4.11	2.3	238.80	2	24.3	291
914.03	33,258	25	111	3.05	2.7				72
2,719.87	72,798	53	114	4.28	3.7				211
2,292.78	88,511	50	148	3.82	2.6	802.40	2	26.5	176
2,677.79	99,690	54	154	4.13	2.7	952.51	3	28.2	228
2,132.63	38,085	60	53	2.96	5.6	740.50	3	16.0	233
6,949.90	354,185	103	287	5.62	2.0	26,073.79	16	1,106.1	649
4,272.81	178,177	75	198	4.75	2.4	3,694.75	10	250.4	341
6,343.69	355,560	125	237	4.23	1.8	5,880.52	22	307.4	655
1,333.89	49,398	30	137	3.71	2.5	42.79	1	3.0	86
6,927.91	276,728	108	214	5.35	2.5	2,812.54	13	187.7	547
1,142.21	55,847	35	133	2.72	2.0	967.61	5	46.1	190
9,032.42	434,152	143	253	5.26	2.1	6,066.46	15	262.2	626
1,058.12	24,875	28	74	3.14	4.3	358.15	1	9.2	127
585.78	14,915	19	65	2.57	3.9	306.07	1	14.1	90

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$	c	kw-hr.	kw-hr.	\$	c.
								cents
Newcastle.....	E.O.	701	5,233.92	204,516	216	79	2.02	2.6
New Hamburg.....	Nia.	1,441	10,559.05	643,148	372	144	2.37	1.6
Niagara-on-the-Lake.....	Nia.	1,764	16,501.12	1,483,569	579	214	2.37	1.1
Nipigon Twp.....	T.B.	.....	4,185.32	216,631	220	82	1.59	1.9
North York Twp.....	Nia.	.....	208,705.29	12,051,197	5,907	170	2.94	1.7
Norwich.....	Nia.	1,301	8,724.30	631,422	369	143	1.97	1.4
Norwood.....	E.O.	710	4,967.60	226,170	235	81	1.76	2.2
Oil Springs.....	Nia.	541	1,846.51	103,255	102	84	1.51	1.8
Omeme.....	E.O.	630	3,207.76	130,953	169	65	1.58	2.4
Orono.....	E.O.	P.V.	4,404.89	147,340	179	69	2.05	3.0
Otterville.....	Nia.	P.V.	2,473.13	119,597	142	70	1.45	3.1
Paisley.....	G.B.	730	4,178.03	120,645	203	50	1.72	3.5
Palmerston.....	Nia.	1,400	8,596.44	796,533	397	167	1.81	1.1
Parkhill.....	Nia.	1,029	6,039.98	262,130	300	73	1.68	2.3
Plattsville.....	Nia.	P.V.	2,645.74	111,066	114	81	1.93	2.4
Point Edward.....	Nia.	1,199	6,203.60	264,754	328	67	1.58	2.3
Port Credit.....	Nia.	1,635	17,844.86	1,597,490	594	224	2.50	1.1
Port Dalhousie.....	Nia.	1,599	18,873.34	1,555,659	662	196	2.38	1.2
Port Dover.....	Nia.	1,790	10,033.66	553,570	677	68	1.24	1.8
Port Elgin.....	G.B.	1,415	10,991.40	631,029	478	107	1.92	1.8
Port McNicoll.....	G.B.	964	4,258.49	144,525	233	52	1.52	2.9
Port Perry.....	G.B.	1,175	7,892.67	325,987	377	72	1.74	2.4
Port Rowan.....	Nia.	700	2,938.84	109,670	147	62	1.67	2.7
Port Stanley.....	Nia.	1,268	15,767.37	982,436	757	108	1.73	1.6
Priceville.....	G.B.	P.V.	769.48	11,529	36	27	1.78	6.7
Princeton.....	Nia.	P.V.	2,602.83	131,733	91	121	2.38	2.0
Queenston.....	Nia.	P.V.	3,553.13	272,427	84	270	3.53	1.3
Richmond.....	E.O.	428	2,309.82	95,405	81	98	2.38	2.4
Richmond Hill.....	Nia.	1,320	10,199.32	787,836	388	169	2.19	1.3
Ridgetown.....	Nia.	1,981	9,277.96	611,752	589	87	1.31	1.4
Ripley.....	G.B.	420	3,187.06	71,929	123	49	2.15	4.4
Rockwood.....	Nia.	P.V.	4,256.59	216,450	172	105	2.06	2.0
Rodney.....	Nia.	736	3,407.95	162,953	249	55	1.14	2.1
Rosseau.....	G.B.	305	2,951.30	54,424	64	71	3.84	5.4
Russell.....	E.O.	P.V.	2,812.87	112,477	115	82	2.04	2.5
St. Clair Beach.....	Nia.	138	2,622.98	107,500	89	101	2.45	2.4
St. George.....	Nia.	P.V.	3,202.31	151,244	150	84	1.78	2.1
St. Jacobs.....	Nia.	P.V.	3,988.45	294,250	136	180	2.44	1.4
Scarborough Twp.....	Nia.	.....	119,233.16	7,602,211	5,369	118	1.85	1.6
Seaforth.....	Nia.	1,782	11,148.23	635,783	506	113	1.84	1.6
Shelburne.....	G.B.	1,053	5,959.24	234,040	306	64	1.62	2.5
Sioux Lookout.....	N.O.P.	1,967	16,398.92	340,364	499	57	2.74	4.8
Southampton.....	G.B.	1,467	10,622.26	574,778	537	89	1.65	1.8
Springfield.....	Nia.	382	1,975.82	70,839	108	55	1.52	2.8
Stamford Twp.....	Nia.	.....	64,674.79	5,443,853	2,039	216	2.57	1.2

## "D"—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941

## VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
2,663.37	98,939	38	217	5.84	2.7	3,302.91	3	106.7	257
4,981.08	227,999	94	202	4.42	2.2	7,190.99	15	366.3	481
10,938.23	747,536	112	556	8.14	1.5	2,078.91	11	93.8	702
3,799.93	224,910	54	347	5.86	1.7	739.80	4	51.8	278
37,091.77	1,802,371	418	359	7.39	2.1	70,238.49	44	2,092.0	6,369
4,671.27	232,950	91	213	4.28	2.0	1,868.41	8	124.3	468
2,335.64	63,040	55	96	3.54	3.7	530.35	3	29.1	293
1,486.78	61,069	33	154	3.75	2.4	6,016.89	34	182.3	169
1,164.20	41,969	32	109	3.03	2.8	3,774.88	6	154.7	207
2,123.87	56,343	37	127	4.78	3.8	51.21	1	3.0	217
2,121.47	94,945	48	165	3.68	2.2	508.36	4	28.3	194
2,655.08	88,848	51	145	4.33	3.0	1,034.49	4	37.6	258
5,405.06	274,051	103	222	4.37	2.0	6,539.21	14	389.9	514
3,550.43	124,927	70	149	4.23	2.8	1,541.99	5	51.7	375
1,388.70	80,667	25	269	4.63	1.7	1,942.70	2	67.5	141
2,412.03	97,742	45	181	4.47	2.5	42,290.86	9	1,613.6	382
7,721.87	497,739	91	455	7.07	1.6	4,845.59	10	191.5	695
4,128.31	273,976	69	331	4.99	1.5	5,803.68	13	324.0	744
5,277.86	302,395	107	236	4.11	1.7	4,607.88	15	228.2	799
6,291.97	274,927	103	222	5.09	2.3	4,146.89	6	219.3	587
744.33	24,500	19	107	3.26	3.0	51.28	1	1.4	253
3,304.27	104,714	78	112	3.53	3.2	2,638.18	11	118.5	466
2,066.72	94,070	39	201	4.42	2.2	117.56	3	5.2	189
4,868.94	224,125	104	179	3.90	2.2	3,611.91	9	191.5	870
328.51	3,917	10	33	2.70	8.4	76.46	1	1.7	47
1,059.82	45,042	21	179	4.21	2.4	1,744.91	3	69.8	115
2,000.38	88,081	16	459	10.42	2.3	.....	.....	.....	100
1,473.08	50,226	22	190	5.58	2.9	.....	.....	.....	103
4,404.90	266,380	73	304	5.03	1.7	2,381.21	14	133.1	475
8,116.45	453,323	140	270	4.83	1.8	5,614.78	20	331.9	749
1,616.15	33,815	48	59	2.81	4.8	1,430.74	1	55.8	172
850.72	41,230	27	127	2.63	2.1	192.91	2	9.8	201
2,509.52	107,989	74	122	2.83	2.3	1,946.82	6	103.2	329
985.42	19,557	13	125	6.32	5.0	.....	.....	.....	77
1,456.73	34,493	34	85	3.57	4.2	.....	.....	.....	149
2,581.63	91,120	7	1,085	30.73	2.8	283.70	1	10.0	97
1,569.14	74,401	35	177	3.74	2.1	2,389.60	1	87.0	186
1,754.81	78,750	29	226	5.04	2.2	4,568.22	7	204.2	172
26,611.07	1,369,325	369	309	6.01	1.9	33,293.52	37	1,313.2	5,775
6,393.09	402,900	102	329	5.22	1.6	5,005.12	17	280.7	625
3,897.63	164,930	82	168	3.96	2.4	3,235.93	15	205.9	403
12,605.02	255,552	101	211	10.40	4.9	1,365.84	2	32.5	602
5,022.06	211,367	94	187	4.45	2.4	8,482.79	14	327.6	645
843.63	27,058	33	68	2.13	3.1	891.65	3	40.8	144
15,225.36	1,129,257	166	567	7.64	1.3	17,292.49	19	970.1	2,284



## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Stayner .....	G.B.	1,106	5,561.56	295,457	286	86	1.62	1.9
Stirling .....	E.O.	947	5,393.80	377,010	297	106	1.51	1.4
Stouffville .....	Nia.	1,198	6,941.01	392,418	380	86	1.52	1.8
Streetsville .....	Nia.	661	5,086.92	291,071	198	123	2.14	1.7
Sunderland .....	G.B.	P.V.	2,913.67	93,500	126	62	1.93	3.1
Sutton .....	Nia.	1,055	8,668.16	338,960	453	62	1.59	2.6
Tara .....	G.B.	510	3,527.47	105,047	155	56	1.90	3.4
Tavistock .....	Nia.	1,080	8,516.45	587,415	298	164	2.38	1.4
Teeswater .....	G.B.	873	5,241.87	162,048	230	58	1.90	3.2
Thamesford .....	Nia.	P.V.	3,480.19	221,835	134	138	2.16	1.6
Thamesville .....	Nia.	811	3,650.49	196,743	246	67	1.24	1.9
Thedford .....	Nia.	598	3,199.87	91,540	156	49	1.71	3.5
Thorndale .....	Nia.	P.V.	1,750.19	72,808	76	80	1.92	2.4
Thornton .....	G.B.	P.V.	1,623.85	29,077	68	36	1.99	5.6
Tilbury .....	Nia.	1,923	7,114.19	445,480	471	79	1.26	1.6
Toronto Twp. ....	Nia.	.....	74,877.18	4,388,092	2,653	138	2.35	1.7
Tottenham .....	G.B.	532	3,868.02	108,621	142	64	2.27	3.6
Trafalgar Twp. No. 1 ..	Nia.	.....	14,574.09	827,785	374	184	3.25	1.8
Trafalgar Twp. No. 2 ..	Nia.	.....	4,857.18	253,432	159	133	2.55	1.9
Tweed .....	E.O.	1,181	6,380.56	257,582	306	70	1.74	2.5
Uxbridge .....	G.B.	1,480	9,085.72	438,231	401	89	1.89	2.1
Victoria Harbour .....	G.B.	1,018	3,602.21	124,260	255	41	1.18	2.9
Wardville .....	Nia.	248	1,574.56	44,898	62	60	2.12	3.5
Warkworth .....	E.O.	P.V.	2,224.95	66,465	133	42	1.39	3.3
Waterdown .....	Nia.	867	5,246.59	341,460	258	110	1.69	1.5
Waterford .....	Nia.	1,294	6,358.72	382,510	376	85	1.41	1.7
Watford .....	Nia.	1,023	8,183.17	421,330	299	117	2.28	1.9
Waubashene .....	G.B.	P.V.	3,358.50	142,156	225	53	1.24	2.4
Wellesley .....	Nia.	P.V.	2,453.71	104,100	140	62	1.46	2.4
Wellington .....	E.O.	948	6,325.62	299,755	342	73	1.54	2.1
West Lorne .....	Nia.	840	3,242.79	163,621	219	62	1.23	2.0
Westport .....	E.O.	725	3,711.80	101,220	138	61	2.24	3.7
Wheatley .....	Nia.	761	3,929.74	162,320	232	58	1.41	2.4
Warton .....	G.B.	1,750	7,676.87	303,330	417	61	1.53	2.5
Williamsburg .....	E.O.	P.V.	1,957.75	185,225	98	158	1.66	1.1
Winchester .....	E.O.	1,017	6,555.34	451,538	301	125	1.81	1.5
Windermere .....	G.B.	158	2,538.25	45,770	63	61	3.36	5.5
Woodbridge .....	Nia.	946	8,023.09	526,228	298	147	2.24	1.5
Woodville .....	G.B.	392	2,170.54	88,685	114	65	1.59	2.4
Wyoming .....	Nia.	538	2,509.44	89,463	159	47	1.32	2.8
York Township .....	Nia.	.....	546,273.00	32,112,552	20,908	128	2.18	1.7
Zurich .....	Nia.	P.V.	3,627.25	135,065	142	79	2.13	2.7

“D”—Concluded

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1941

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
3,784.12	179,469	92	163	3.43	2.1	2,314.69	16	176.0	394
3,596.40	159,342	72	184	4.16	2.3	1,566.81	12	85.0	381
4,039.18	186,875	87	179	3.87	2.2	934.19	5	58.9	472
1,841.51	73,636	50	123	3.07	2.5	4,257.24	6	158.7	254
1,528.37	44,751	36	104	3.54	3.1	284.35	2	11.5	164
4,050.24	140,100	77	152	4.38	2.9	1,055.04	3	37.8	533
1,446.55	51,923	33	131	3.65	2.8	1,301.43	5	48.5	193
4,019.93	193,357	96	168	3.49	2.1	9,422.90	9	404.2	403
2,954.34	79,722	55	121	4.47	3.7	1,200.47	3	87.7	288
1,551.76	87,838	40	183	3.23	1.8	1,702.95	6	89.1	180
3,282.07	208,386	77	226	3.55	1.6	1,900.66	7	87.9	330
2,595.76	69,840	49	119	4.41	3.7	912.02	2	29.2	207
791.32	24,241	23	88	2.87	3.3	1,114.98	2	38.0	101
479.21	13,863	12	96	3.33	3.5	314.11	2	16.6	82
9,421.40	652,150	135	403	5.82	1.4	13,283.49	13	875.5	619
23,929.11	1,037,834	180	480	11.08	2.3	9,677.49	32	456.4	2,865
1,561.23	32,678	45	61	2.89	4.8	623.65	7	23.2	194
568.16	22,300	4	465	11.84	2.5	806.33	9	29.3	387
764.39	59,184	17	290	3.75	1.3	113.27	1	5.0	177
4,781.97	150,743	86	146	4.63	3.2	4,012.52	13	156.0	405
4,929.47	161,415	97	139	4.23	3.1	2,439.99	11	113.0	509
980.78	45,530	31	122	2.64	2.2	94.34	1	3.0	287
1,072.56	31,750	24	110	3.72	3.4	49.54	1	3.0	87
1,317.34	42,277	43	82	2.55	3.1	11.73	1	.....	177
1,542.49	94,250	35	224	3.67	1.6	1,313.59	7	86.0	300
3,083.68	187,630	77	203	3.34	1.6	6,496.15	14	426.7	467
3,336.04	171,120	79	181	3.52	1.9	4,652.28	6	160.7	384
583.60	34,670	21	134	2.32	1.7	210.46	2	7.0	248
1,647.38	49,292	44	93	3.12	3.3	1,281.89	4	61.4	188
2,630.24	114,005	63	151	3.48	2.3	912.24	5	43.4	410
2,378.79	123,734	52	198	3.81	1.9	3,879.52	7	169.7	278
2,990.29	87,692	48	152	5.19	3.4	.....	.....	.....	186
3,341.33	133,810	73	153	3.81	2.5	3,096.97	6	124.2	311
8,331.47	324,026	112	241	6.20	2.6	4,196.40	15	157.6	544
2,648.25	134,020	46	243	4.80	2.0	146.33	1	12.2	145
4,618.05	232,196	85	228	4.53	2.0	1,557.82	3	73.3	389
1,272.76	30,355	14	181	7.58	4.2	161.83	1	7.5	78
2,351.38	113,829	47	202	4.17	2.1	11,169.59	9	532.8	354
1,022.24	31,373	24	109	3.55	3.3	606.29	2	38.7	140
1,553.37	42,813	50	71	2.59	3.6	224.92	2	16.0	211
82,095.06	4,928,469	1,094	375	6.25	1.6	136,417.54	178	5,875.6	22,180
3,085.89	102,590	45	190	5.71	3.0	.....	.....	.....	187

## STATEMENT "E"

### **Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Ontario Urban Municipalities Served by The Hydro-Electric Power Commission for the year 1941**

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through The Hydro-Electric Power Commission.\* The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, an important factor in determining rates to consumers, is also stated.

#### **Cost of Power to Municipalities**

The figures in the first column represent the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the several systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

#### **Rates to Consumers**

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission,"† in accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

At the commencement of its operations, the Commission introduced scientifically-designed rate schedules for each of the three main classes into which the electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

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\*Except townships served as parts of rural power districts, for which consult latter part of Section III.

†R.S.O. 1937, Ch. 62, Sec. 89.



*Domestic Service:* Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

During the past few years most of the urban municipal utilities have further simplified the domestic rate structure by abolishing the service charge, and making a suitable adjustment in the first consumption rate. Where the service charge is retained at 33 and 66 cents gross per month the charge of 33 cents per month per service is made when the permanently installed appliance load is under 2,000 watts, and the charge of 66 cents per month when 2,000 watts or more.

*Commercial Light Service:* Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

*Water-Heater Service:* For all consumers using continuous electric water heaters, low flat rates are available consisting of a fixed charge per month dependent on the capacity of the heating element and the cost of power to the municipal utility. Such heaters are so connected that the electrical energy they consume is not metered. For new installations the necessary equipment, including heater, thermostat, efficient insulation for water-storage tank, and wiring, is installed by a large number of municipal Hydro utilities, without capital cost to the consumer.†

*Power Service:* The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The Commission serves direct, certain large power consumers under special contracts, on behalf of the various systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where load conditions and other circumstances permit, lower rates are available for "restricted power", discounts additional to those listed in the table being applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours' monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horsepower, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

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†In addition, the municipal Hydro utilities supply booster water-heating equipment to furnish extra requirements beyond the capacity of the continuous heater; current for the booster heater is measured and charged for at the regular rates.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
Acton.....	\$ c. 26.66	cents	60	2.5	1.0	\$ c. 0.83	% 10
Agincourt.....	27.45	....	60	3.4	1.1	1.11	10
Ailsa Craig.....	36.86	....	60	2.8	0.9	0.83	10
Alexandria.....T	47.33	....	50	4.5	1.2	1.11	10
Alliston.....T	42.53	....	40	5.3	1.3	1.39	10
Alvinston.....	50.22	....	60	4.7	1.2	1.38	10
Amherstburg.....T	30.41	....	60	3.4	0.9	0.83	10
Ancaster Twp.....	25.52	....	60	3.8	1.3	0.83	10
Apple Hill.....	44.65	....	60	5.0	1.3	1.66	10
Arkona.....	51.91	....	60	5.0	1.8	1.78	10
Arnprior.....T	25.89	....	55	3.8	1.0	0.83	10
Arthur.....	58.57	33-66	40	4.8	1.5	1.67	10
Athens.....	42.04	33-66	50	4.5	1.5	1.11	10
Aylmer.....T	28.18	....	60	2.3	0.8	0.83	10
Ayr.....	32.28	....	60	3.4	1.1	1.11	10
Baden.....	26.93	....	60	2.5	1.0	0.83	10
Bala.....T	31.49	33-66	50	3.7	1.2	1.66	10
Barrie.....T	47.04	33-66	60	2.7	1.0	0.83	10
Bath.....	27.32	....	40	6.0	1.5	2.78	10
Beachville.....	27.32	....	60	3.1	1.1	0.83	10
Beamsville.....	26.46	....	60	3.3	1.0	0.83	10
Beardmore Townsite...	37.02	....	50	5.5	1.5	1.11	10
Beaverton.....	55.14	....	60	2.8	1.0	1.11	10
Beeton.....	30.94	....	40	5.5	1.8	1.67	10
Belle River.....	30.94	....	60	3.6	1.0	1.11	10
Belleville.....C	25.27	....	55	1.9	0.7	0.83	10
Blenheim.....T	30.30	....	60	2.5	0.9	0.83	10
Bloomfield.....	41.39	....	50	3.4	1.3	1.11	10
Blyth.....	39.86	....	60	3.5	1.1	1.39	10
Bolton.....	33.26	....	55	3.5	1.1	1.11	10
Bothwell.....T	34.54	....	60	2.4	0.8	0.83	10
Bowmanville.....T	29.58	....	60	3.5	1.0	0.83	10
Bradford.....	46.07	....	40	5.2	1.3	1.67	10
Brampton.....T	24.25	....	60	2.3	1.0	0.83	10
Brantford.....C	23.86	....	60	2.3	0.9	0.83	10
Brantford Twp.....	27.54	....	60	2.7	1.0	1.11	10
Brechin.....	42.92	....	45	5.5	1.2	1.67	10
Bridgeport.....	29.26	....	50	4.3	1.2	1.11	10
Brigden.....	43.45	....	60	3.6	0.9	1.39	10
Brighton.....	32.15	....	60	4.2	1.2	1.11	10

\*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.

“E”

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	1.8	0.5	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	0.6	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.2	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.5	0.8	1.66	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	4.3	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	4.3	1.0	1.38	10	53.00	1.00	6.2	4.1	0.33	.....	..	10
5.0	2.5	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	5.0	1.0	1.66	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	5.0	1.0	1.78	10	53.00	1.00	6.2	4.1	0.33	.....	..	10
5.0	3.5	1.0	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	4.5	1.0	1.11	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	1.9	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.2	0.7	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.7	0.8	1.66	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.1	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	1.0	2.78	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.6	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	5.5	1.5	2.22	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.8	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	5.5	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.6	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
4.5	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	3.4	1.0	1.39	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	4.4	1.0	1.67	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	1.8	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
*5.0	1.6	0.35	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.2	0.5	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	4.8	0.8	1.67	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	4.0	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	3.6	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10

\*Min. 500 watts.



## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to muni- cipality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Brockville.....T	26.81	....	60	1.8	0.8	0.83	10
Brussels.....	39.00	....	50	3.8	1.1	1.39	10
Burford.....	28.26	....	60	2.9	0.9	0.83	10
Burgessville.....	47.03	....	60	5.0	1.5	1.39	10
Burlington Beach or Hamilton Beach....	.....	....	60	3.5	1.1	0.83	10
Caledonia.....	26.80	....	60	2.5	0.8	0.83	10
Callander.....	.....	33	40	5.0	2.0	1.11	10
Campbellville.....	47.36	....	45	5.0	1.5	1.67	10
Cannington.....	38.05	....	55	3.6	1.5	1.11	10
Capreol.....T	.....	....	50	4.5	1.5	1.39	10
Cardinal.....	28.07	....	55	2.5	1.1	1.11	10
Carleton Place.....T	26.78	....	55	2.8	1.0	0.83	10
Carlsruhe.....	.....	33-66	40	6.0	2.0	1.67	10
Cayuga.....	36.59	....	60	3.8	1.1	1.39	10
Chatham.....C	25.57	....	60	3.0	0.9	0.83	10
Chatsworth.....	38.05	....	45	3.5	1.2	1.39	10
Chesley.....T	35.03	....	55	2.9	1.1	1.11	10
Chesterville.....	31.92	....	55	2.3	1.0	0.83	10
Chippawa.....	20.40	....	60	2.8	0.9	1.11	10
Clifford.....	43.93	....	55	3.5	1.2	1.39	10
Clinton.....T	30.58	....	60	2.8	1.1	1.11	10
Cobden.....	49.76	....	30	3.5	1.0	1.11	10
Cobourg.....T	29.33	....	55	3.4	1.1	0.83	10
Colborne.....	32.15	....	60	4.0	1.1	0.83	10
Coldwater.....	37.85	33-36	55	2.5	1.0	1.11	10
Collingwood.....T	33.11	....	55	2.8	1.0	0.83	10
Comber.....	37.23	....	60	3.6	0.9	1.11	10
Cookstown.....	42.46	....	40	5.2	1.2	1.67	10
Cottage Cove Townsite	.....	....	60	6.0	2.0	3.33	10
Cottam.....	35.03	....	60	3.6	1.0	1.39	10
Courtright.....	51.57	....	55	4.0	1.2	1.39	10
Creemore.....	41.67	....	45	3.8	1.0	1.39	10
Dashwood.....	34.41	....	60	4.2	1.0	1.11	10
Delaware.....	28.57	....	60	3.5	1.2	1.11	10
Delhi.....	29.54	....	60	3.3	1.0	0.83	10
Deseronto.....T	39.87	....	50	4.8	1.2	0.83	10
Dorchester.....	31.01	....	60	3.0	1.1	0.83	10
Drayton.....	45.22	....	55	4.0	1.3	1.11	10
Dresden.....T	32.38	....	60	2.6	0.8	0.83	10
Drumbo.....	33.29	....	60	3.8	1.1	1.11	10

## “E”—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
4.5	1.6	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.3	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	4.5	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.2	0.7	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.0	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	5.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.8	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	4.0	0.8	1.39	10	31.00	1.00	2.9	1.9	0.33	.....	..	10
5.0	2.3	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.2	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.5	1.0	1.39	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.3	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.3	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.0	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.5	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.4	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.5	1.0	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.9	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.0	1.0	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.5	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.3	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.9	0.9	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	4.5	1.0	1.67	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	5.0	2.0	4.44	10	.....	.....	.....	.....	.....	.....	..	10
5.0	2.8	0.9	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.9	0.9	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.6	0.9	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	3.8	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.2	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.4	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municip- ality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	\$ c.
Dublin.....	41.62	....	60	3.5	1.2	1.11	10
Dundalk.....	35.92	....	55	3.0	1.0	1.11	10
Dundas.....T	22.50	....	60	2.5	0.9	0.83	10
Dunnville.....T	21.95	....	60	2.4	0.8	0.83	10
Durham.....T	38.62	....	55	2.5	1.0	0.83	10
Dutton.....	31.01	....	60	2.1	0.8	0.83	10
East York Twp.....	25.70	....	60	2.5	1.1	0.83	10
Elmira.....T	27.33	....	60	3.4	1.0	0.83	10
Elmvale.....	37.99	....	55	3.4	1.2	0.83	10
Elmwood.....	38.84	....	45	4.0	1.0	1.39	10
Elora.....	29.40	....	60	3.1	1.2	1.11	10
Embro.....	33.59	....	60	3.4	1.2	1.11	10
Erieau.....	45.37	....	60	3.8	1.1	1.39	10
Erie Beach.....	53.12	....	60	5.3	1.5	1.67	10
Essex.....T	29.05	....	60	2.5	0.9	0.83	10
Etobicoke Twp.....	24.48	....	60	2.7	1.1	0.83	10
Exeter.....	29.62	....	60	3.0	0.9	0.83	10
Fergus.....	28.52	....	55	3.3	1.3	1.11	10
Finch.....	37.98	....	45	3.0	1.2	1.39	10
Flesherton.....	43.34	....	55	3.0	1.0	1.11	10
Fonthill.....	27.18	....	60	3.0	1.1	1.11	10
Forest.....T	35.60	....	60	3.5	0.9	1.11	10
Forest Hill.....	23.22	33-66	60	2.0	1.3	0.83	10
Fort William.....C	20.90	....	60	2.1	0.9	0.83	10
Frankford.....	.....	....	60	4.5	1.2	0.83	10
Galt.....C	23.93	....	60	2.8	0.8	0.83	10
Gamebridge.....	.....	....	45	5.5	1.2	1.67	10
Georgetown.....T	28.51	....	60	3.0	0.9	0.83	10
Geraldton Townsite...	.....	....	60	3.7	1.2	1.11	10
Glencoe.....	42.12	....	60	4.0	0.9	1.11	10
Glen Williams.....	.....	33-66	60	2.7	1.1	0.83	10
Goderich.....T	33.06	....	55	3.3	1.0	0.83	10
Grand Valley.....	48.43	....	45	5.0	1.2	1.39	10
Granton.....	35.91	....	60	3.3	1.2	1.11	10
Gravenhurst.....T	24.49	....	55	2.2	0.9	0.83	10
Grimsby.....T	.....	....	60	3.5	1.1	0.83	10
Guelph.....C	23.80	....	60	2.0	0.8	0.83	10
Hagersville.....	27.90	....	60	2.5	1.0	0.83	10
Hamilton.....C	21.82	....	60	2.4	0.8	0.83	10
Hanover.....T	31.94	....	60	2.8	1.3	0.83	10



“E”—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	3.5	1.0	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	..	10
5.0	2.5	0.8	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.9	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.1	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.8	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.4	1.0	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.2	0.8	1.39	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	2.8	0.7	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.8	0.8	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.6	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	2.22	..	10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.6	0.7	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.8	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	10	10
5.0	2.5	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.6	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	3.0	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.4	0.83	10	17.00	1.00	1.7	1.1	*0.33 0.133	.....	25	10
5.0	3.5	1.0	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.3	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	4.8	0.8	1.67	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.5	1.0	1.66	10	30.00	1.00	2.8	1.8	0.43	.....	..	10
5.0	3.1	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.8	0.75	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	25	10
5.0	2.7	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	4.3	1.0	1.39	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	2.6	1.0	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.2	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	1.6	0.3	0.83	10	14.00	1.00	1.1	0.7	0.33	.....	25	10
5.0	2.0	0.75	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
†5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.3	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10

\*0.33 cents per kw-hr. for the next 360 hours use plus 0.133 cents per kw-hr. for all additional†  
†Min. 500 watts.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Harriston.....T	35.85	....	55	3.0	1.0	1.11	10
Harrow.....T	31.44	....	60	3.3	1.0	0.83	10
Hastings.....	37.94	....	45	4.2	1.2	1.11	10
Havelock.....	43.09	....	50	3.5	1.2	0.83	10
Hensall.....	37.26	....	60	3.5	1.1	1.11	10
Hepworth.....	....	33-66	40	6.0	2.0	1.67	10
Hespeler.....T	23.89	....	60	3.0	0.9	0.83	10
Highgate.....	35.46	....	60	3.2	0.9	1.11	10
Hislop Townsite.....	....	33-66	50	6.0	1.5	1.94	10
Holstein.....	80.25	....	40	5.5	1.3	1.67	10
Hudson Townsite.....	....	....	60	6.0	2.0	2.00	10
Humberstone.....	24.12	....	60	2.6	0.8	0.83	10
Huntsville.....T	28.36	....	60	2.0	0.9	0.83	10
Ingersoll.....T	25.15	....	60	2.4	0.9	0.83	10
Iroquois.....	26.69	33	{60 60}	{3.0 2.0}	1.0	0.83	10
Jarvis.....	33.45	....	60	3.4	1.0	1.11	10
Kearns Townsite.....	....	33-66	50	6.0	2.0	1.94	10
Kemptville.....	33.87	....	55	3.5	1.2	0.83	10
Kincardine.....T	39.85	....	40	4.5	1.3	1.11	10
King Kirkland Townsite.....	....	33-66	50	6.0	1.5	3.06	10
Kingston.....C	26.43	....	50	2.2	0.8	0.83	10
Kingsville.....T	30.61	....	60	2.8	0.9	0.83	10
Kirkfield.....	52.17	33-66	40	5.5	1.5	2.22	10
Kitchener.....C	23.30	....	60	2.3	1.0	0.83	10
Lakefield.....	32.51	....	50	3.6	1.2	0.83	10
Lambeth.....	33.37	....	60	3.0	1.0	1.11	10
Lanark.....	39.08	....	50	4.2	1.3	0.83	10
Lancaster.....	49.00	....	60	4.0	1.2	1.11	10
La Salle.....T	30.99	....	60	3.8	1.2	1.11	10
Leamington.....T	30.64	....	60	2.3	0.8	0.83	10
Leaside.....T	....	a3	....	b1.8	1.0	0.83	10
Lindsay.....T	30.24	....	60	2.5	0.9	0.83	10
Listowel.....T	28.75	....	55	2.7	1.0	0.83	10
London.....C	23.55	....	60	2.4	0.9	0.83	10
London Twp.....	26.88	....	60	2.9	1.0	1.11	10
Long Branch.....	24.52	....	60	2.5	1.1	0.83	10
Lucan.....	29.00	....	60	3.4	1.1	1.11	10
Lucknow.....	45.09	....	45	4.3	1.3	1.67	10
Lynden.....	29.94	....	60	3.4	1.1	1.39	10
Mac Tier.....	....	33-66	40	5.0	2.0	1.66	10

aService Charge per 100 sq. ft. floor area.

bFirst 3 kw-hrs. per 100 sq. ft.

## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	2.6	0.7	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.8	1.0	1.11	10	37.00	1.00	3.8	2.5	0.33	.....	..	10
5.0	3.2	1.0	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.9	3.1	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	6.0	1.0	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.8	0.7	1.11	10	29.00	1.00	2.6	1.7	0.33	.....	..	10
5.0	6.0	1.5	3.06	10	.....	.....	.....	.....	.....	.....	..	10
5.0	5.0	0.8	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	6.0	2.0	*1.00	10	45.00	1.00	5.1	3.4	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	1.8	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.9	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
†33	‡5.0 3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.6	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	6.0	2.0	3.06	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.8	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.5	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	6.0	1.5	3.89	10	.....	.....	.....	.....	.....	.....	..	10
5.0	1.6	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	1.9	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	5.5	1.0	2.22	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.8	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.6	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.7	1.0	0.83	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.2	1.0	1.11	10	56.00	1.00	6.6	4.4	0.33	.....	..	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	1.8	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
c	3.0				e1.10				f1/3			
d	2/3	1/3	0.83	10	.....	0.90	2.0	1.0	1/6	.....	..	10
5.0	2.2	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.3	0.5	0.83	10	19.00	1.00	2.9	1.4	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.5	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.0	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.8	1.0	0.87	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.0	1.0	1.63	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	5.0	1.0	1.66	10	40.00	1.00	4.3	2.8	0.33	.....	..	10

\*Per 100 W., Min. \$2.00, Max. \$5.00.

†Per service per month.

‡5c per kw-hr. for 1st 60 kw-hrs. plus 3c per kw-hr. for 2nd 60 kw-hrs.

c1st 80 hrs. use. eFirst 7.5 kilowatts \$1.10 per kw. All additional 90c. per kw.

d2nd 80 hrs. use. f1/3c. per kw-hr., next 300 hrs. All additional 1/6c. per kw-hr.



## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municip- ality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Madoc.....	43.01	....	50	3.2	1.2	0.83	10
Markdale.....	35.07	....	55	3.1	1.1	1.11	10
Markham.....	29.13	....	60	3.0	1.0	0.83	10
Marmora.....	35.78	....	60	4.0	1.0	1.11	10
Martintown.....	34.64	....	50	3.0	1.0	1.11	10
Matachewan Townsite.....	....	....	50	4.5	1.0	1.11	10
Maxville.....	44.91	....	55	4.5	1.2	1.11	10
Meaford.....T	36.24	....	60	3.0	1.1	0.83	10
Merlin.....	35.13	....	60	3.8	1.0	1.11	10
Merrittton.....T	20.29	....	60	2.4	0.9	0.83	10
Midland.....T	31.35	....	60	2.5	1.0	0.83	10
Mildmay.....	39.30	....	40	3.6	1.0	1.39	10
Millbrook.....	34.80	33	60	5.5	1.5	0.83	10
Milton.....T	25.99	....	60	3.3	1.1	0.83	10
Milverton.....	28.89	....	60	2.7	1.0	0.90	10
Mimico.....T	23.30	....	60	2.7	1.1	0.83	10
Mitchell.....T	27.73	....	60	2.9	1.1	0.83	10
Moorefield.....	48.66	....	50	4.2	1.2	1.39	10
Mooretown Townsite.....	....	33-66	50	6.0	2.0	3.00	10
Morrisburg.....	31.70	....	60	3.0	1.0	0.83	10
Mount Brydges.....	31.69	....	60	2.8	0.9	1.11	10
Mount Forest.....T	43.46	....	60	3.0	1.25	0.83	10
Napanee.....T	28.99	....	50	3.5	1.2	0.83	10
Neustadt.....	42.58	....	60	6.0	1.5	1.67	10
Newburgh.....	....	33	60	5.0	2.0	1.66	10
Newbury.....	40.71	....	55	5.0	1.2	1.38	10
Newcastle.....	30.70	....	60	4.8	1.2	1.11	10
New Hamburg.....	27.55	....	60	3.3	1.1	0.83	10
New Toronto.....T	25.39	....	60	2.4	1.0	0.83	10
Niagara Falls.....C	17.71	....	60	2.2	0.8	0.83	10
Niagara-on-the-Lake..T	21.39	....	60	2.6	1.0	0.83	10
Nipigon Twp.....	24.44	....	60	3.0	1.0	1.11	10
Nipissing.....	....	33	50	6.0	2.0	1.67	10
North Bay.....C	....	....	60	3.3	1.3	0.83	10
North York Twp.....	25.76	....	55	4.0	1.3	1.11	10
Norwich.....	28.28	....	60	2.8	0.9	0.83	10
Norwood.....	33.45	....	50	4.0	1.2	1.11	10
Oil Springs.....	34.65	....	60	2.6	0.9	1.11	10
Omeme.....	34.94	....	60	3.5	1.3	0.83	10
Orangeville.....T	41.37	....	55	3.0	1.0	1.11	10
Orono.....	34.62	....	60	5.5	1.5	1.11	10
Oshawa.....C	28.92	....	50	3.8	1.1	0.83	10
Ottawa.....C	15.47	33-66	{ 60 2.0 }	1.0	0.5	0.83	10
Otterville.....	34.07	....	60	2.8	0.9	1.11	10
Owen Sound.....C	31.97	....	60	2.1	0.8	0.83	10

## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	3.0	0.9	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.3	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	3.6	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	1.0	1.66	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.5	1.0	1.66	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	4.5	1.0	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.4	0.8	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.2	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	2.22	..	10
5.0	1.7	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.0	0.9	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.8	0.8	1.39	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	5.5	1.5	0.83	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.6	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.5	0.7	0.90	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.8	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	6.0	2.0	5.00	10	.....	.....	.....	.....	.....	.....	..	..
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.2	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.4	0.9	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.8	0.75	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	5.0	2.0	1.66	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.5	1.0	1.38	10	47.00	1.00	5.2	3.5	0.33	.....	..	10
5.0	4.3	1.2	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	6.0	1.0	1.67	10	.....	.....	.....	.....	.....	.....	..	10
5.0	3.1	0.8	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.3	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.6	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	2.4	0.6	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.5	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.0	0.8	1.11	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.5	1.5	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.8	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.1	0.5	0.83	10	18.00	1.00	1.8	1.2	0.15	.....	15 & 10	10
5.0	2.5	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	1.8	0.7	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1940, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Paisley.....	43.60	....	45	5.0	1.0	1.39	10
Palmerston.....T	31.59	....	60	2.7	1.1	1.11	10
Paris.....T	24.19	....	60	2.3	0.9	0.83	10
Parkhill.....T	44.78	....	60	3.8	1.0	1.11	10
Penetanguishene.....T	33.90	....	55	3.2	1.1	0.83	10
Perth.....T	26.59	....	55	2.8	1.0	0.83	10
Peterborough.....C	25.71	....	55	2.7	1.2	0.83	10
Petrolia.....T	31.02	....	60	2.7	0.8	0.83	10
Pictou.....T	34.80	....	60	2.8	1.0	0.83	10
Plattsville.....	38.04	....	60	3.8	1.1	1.11	10
Point Edward.....	30.85	....	60	3.2	1.0	0.83	10
Port Arthur.....C	20.51	....	50	2.0	0.8	0.83	10 & 10
Port Carling.....	.....	33-66	45	4.7	1.5	1.66	10
Port Colborne.....T	23.95	....	60	3.0	1.0	0.83	10
Port Credit.....	26.10	....	60	2.5	1.0	0.83	10
Port Dalhousie.....	23.87	....	60	2.6	1.0	0.83	10
Port Dover.....	31.09	....	60	2.5	0.9	0.83	10
Port Elgin.....	38.65	33-66	40	2.5	1.2	1.11	10
Port Hope.....T	29.87	....	60	2.4	0.9	0.83	10
Port McNicoll.....	36.85	....	50	4.0	1.5	0.83	10
Port Perry.....	42.91	....	50	4.0	1.2	1.11	10
Port Rowan.....	38.14	....	60	3.2	1.1	1.39	10
Port Stanley.....	30.66	....	60	3.1	1.0	0.83	10
Powassan.....T	.....	33	40	5.0	2.0	1.11	10
Prescott.....T	27.14	....	60	2.5	1.1	0.83	10
Preston.....T	23.63	....	60	2.6	0.8	0.83	10
Priceville.....	45.36	33-66	60	6.0	1.5	1.67	10
Princeton.....	39.72	....	60	3.3	1.2	1.67	10
Queenston.....	21.18	....	60	3.0	1.3	1.11	10
Ramore-Matheson....	.....	....	50	6.0	1.5	2.22	10
Red Lake Townsite...	.....	....	55	4.8	1.2	1.00	10
Richmond.....	41.66	....	35	5.0	1.5	1.67	10
Richmond Hill.....	27.26	33-66	60	2.0	0.8	0.83	10
Ridgetown.....T	29.95	....	60	2.3	0.8	0.83	10
Ripley.....	54.59	....	55	6.0	1.5	1.67	10
Riverside.....T	29.17	....	60	3.7	1.1	0.83	10
Rockwood.....	30.60	....	60	3.3	1.1	1.11	10
Rodney.....	39.45	....	60	2.6	0.8	0.83	10
Rosseau.....	72.85	† 33	.....	6.0	2.0	†2.22	10
Russell.....	43.22	....	55	4.8	1.2	1.39	10



## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	4.4	1.0	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	2.2	0.9	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.6	0.9	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.8	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.3	0.9	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.1	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.0	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.2	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	2.00	..	10
5.0	2.4	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.8	0.3	0.83	10 & 10	17.00	1.00	1.7	1.1	*0.33 0.133	.....	25	10
5.0	4.5	0.8	1.66	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.5	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.1	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.5	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.5	1.0	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.2	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	5.0	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.2	1.0	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.1	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	6.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	1.0	1.67	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.8	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	6.0	1.5	2.78	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.8	1.2	1.50	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	5.0	1.0	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.3	0.5	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	6.0	2.0	†2.22	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	4.5	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	..	10

\*0.33c. per kw-hr. for next 360 hours' use plus 0.133c. per kw-hr. for all additional.  
†According to consumers' demand.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
St. Catharines.....C	20.32	....	45-60	2.3	0.9	0.83	10
St. Clair Beach.....	34.26	....	60	4.2	1.3	1.67	10
St. George.....	34.70	....	60	3.2	1.1	1.11	10
St. Jacobs.....	26.45	....	60	2.8	1.0	0.83	10
St. Marys.....T	28.80	....	60	3.1	1.0	0.83	10
St. Thomas.....C	24.34	....	60	2.4	0.8	0.83	10
Sarnia.....C	27.76	....	60	2.5	0.8	0.83	10
Scarborough Twp.....	25.35	....	60	2.8	1.0	0.83	10
Seaforth.....T	29.59	....	60	2.9	1.1	0.83	10
Shelburne.....	40.80	....	50	3.8	1.0	1.11	10
Simcoe.....T	25.69	....	60	2.2	0.8	0.83	10
Sioux Lookout.....T	....	....	60	6.0	2.0	2.00	10
Smiths Falls.....T	25.31	....	55	3.0	1.0	0.83	10
Smithville.....	32.54	....	60	3.8	1.3	1.11	10
Southampton.....T	37.28	....	40	3.6	1.2	1.11	10
Springfield.....	35.67	....	60	3.6	1.1	1.11	10
Stamford Twp.....	17.79	....	60	3.0	1.0	0.83	10
Stayner.....T	36.56	....	55	3.0	1.1	0.83	10
Stirling.....	26.39	....	60	2.5	1.0	0.83	10
Stoney Creek.....	....	....	60	3.5	1.1	0.83	10
Stouffville.....	33.51	....	60	2.8	1.0	0.83	10
Stratford.....C	24.87	....	60	2.8	0.9	0.83	10
Strathroy.....T	27.07	....	60	2.6	0.8	0.83	10
Streetsville.....	28.11	....	55	3.5	1.0	0.83	10
Sudbury.....C	....	....	55	2.7	1.2	0.83	10
Sunderland.....	47.40	....	45	4.7	1.2	1.39	10
Sutton.....	36.68	....	50	4.0	1.3	1.11	10
Swansea.....	25.73	....	60	2.5	1.2	0.83	10
Tara.....	41.19	....	40	4.5	1.8	1.11	10
Tavistock.....	28.30	....	60	3.0	1.0	0.83	10
Tecumseh.....T	31.77	....	60	4.0	1.1	1.11	10
Teeswater.....	44.33	....	50	5.0	1.3	1.39	10
Thamesford.....	31.63	....	60	2.7	0.9	1.11	10
Thamesville.....	31.24	....	60	2.5	0.8	0.83	10
Thedford.....	46.44	....	55	5.0	1.2	1.11	10
Thorndale.....	38.04	....	60	4.2	1.2	1.11	10
Thornton.....	50.89	....	60	6.0	1.5	1.67	10
Thorold.....T	21.32	....	60	2.2	0.8	0.83	10
Tilbury.....T	30.22	....	60	2.2	0.8	0.83	10
Tillsonburg.....T	26.65	....	60	2.3	0.8	0.83	10

## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
†5.0	1.6	1/3	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	4.3	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.7	0.3	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	1.9	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.2	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.2	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.5	0.9	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	2.0	*1.00	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.8	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.3	0.9	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.0	1.0	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.2	0.7	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.5	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.0	0.4	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.5	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.0	1.0	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.7	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.6	0.8	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	..	10
5.0	2.3	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.2	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.1	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	1.9	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	4.6	1.0	1.11	10	48.00	1.00	5.4	3.6	0.33	.....	..	10
5.0	3.2	0.9	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	5.5	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	1.7	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10

†Min. 500 watts.

\*\$1.00 per 100 watts. Min. \$2.00. Max. \$5.00.



## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1941, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Toronto.....C	22.49	a3	....	b1.8	1.0	0.83	10
Toronto Twp.....	25.89	....	60	2.9	1.0	1.11	10
Tottenham.....	61.35	....	35	5.5	1.5	1.67	10
						*0.83	
Trafalgar Twp. Area 1.	27.25	....	60	3.1	1.7	†2.22	10
Trafalgar Twp. Area 2.	29.87	....	60	3.6	1.2	1.11	10
Trenton.....T	24.42	....	50	3.0	1.0	0.83	10
Tweed.....	42.86	....	50	4.0	1.2	1.11	10
Uxbridge.....T	42.29	....	50	3.6	1.2	1.11	10
Victoria Harbour.....	36.82	....	60	2.8	1.0	1.11	10
Walkerton.....T	32.29	....	50	3.6	1.1	1.11	10
Wallaceburg.....T	28.61	....	60	2.6	0.8	0.83	10
Wardsville.....	42.03	....	60	5.5	1.5	1.39	10
Warkworth.....	34.44	....	50	4.0	1.2	1.11	10
Waterdown.....	25.93	....	60	2.5	1.0	0.83	10
Waterford.....	26.71	....	60	2.4	0.9	0.83	10
Waterloo.....T	23.55	....	60	2.3	0.9	0.83	10
Watford.....	35.52	....	60	3.3	1.0	1.11	10
Waubausheene.....	34.96	....	55	3.0	1.0	1.11	10
Welland.....C	18.91	....	60	2.4	0.9	0.83	10
Wellesley.....	32.72	....	50	3.5	1.1	1.11	10
Wellington.....	35.50	33-66	50	2.5	1.25	0.83	10
West Lorne.....	33.89	....	60	2.8	0.8	0.83	10
Weston.....T	23.60	....	60	2.4	0.9	0.83	10
Westport.....	49.14	....	45	5.0	1.5	1.94	10
Wheatley.....	39.25	....	60	3.4	1.0	0.83	10
Whitby.....T	28.84	....	60	2.8	1.0	0.83	10
Warton.....T	45.70	....	50	3.2	1.0	1.39	10
Williamsburgh.....	29.40	....	60	2.0	0.8	0.83	10
Winchester.....	29.80	....	60	2.4	1.2	0.83	10
Windermere.....	45.76	†33	....	5.0	1.5	†2.22	10
Windsor.....C	25.64	....	60	3.1	0.8	0.83	10
Wingham.....T	41.60	....	50	3.2	1.1	1.11	10
Woodbridge.....	26.71	....	60	3.0	1.1	0.83	10
Woodstock.....C	24.20	....	60	2.4	0.8	0.83	10
Woodville.....	45.79	....	50	3.8	1.0	1.11	10
Wyoming.....	40.61	....	60	3.3	0.9	1.11	10
York Twp.....	24.99	33-66	60	2.0	1.3	0.83	10
Zurich.....	40.04	....	60	4.0	1.0	1.11	10

aService Charge per 100 sq. ft. floor area.

bPer kw-hr. for 1st. 3 kw-hrs. per 100 sq. ft.

\*Under 10 kw. \$0.83 Min. Bill.

†Over 10 kw. \$2.22 Min. Bill.

‡According to consumers' demand.

“E”—Concluded

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
c	$\frac{3}{2/3}$	$\frac{1}{3}$	0.83	10	d	$\begin{cases} \text{D.C.} \\ \text{A.C.} \end{cases}$	$\begin{cases} 3.0 \\ 2.0 \end{cases}$	$\begin{cases} 1.2 \\ 1.0 \end{cases}$	e $\begin{cases} 0.6 \\ 1/3 \\ 1/6 \end{cases}$	.....	..	$\begin{cases} 10 \\ 10 \end{cases}$
5.0	2.2	0.6	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
10.0	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.8	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.8	0.7	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.6	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.5	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	3.0	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.2	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	5.0	1.0	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.9	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	1.9	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.9	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.2	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.5	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.5	1.0	0.83	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.3	0.5	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.6	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	5.0	1.0	1.94	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	3.0	0.9	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.3	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.3	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.0	0.8	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	5.0	1.5	†2.22	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.6	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.8	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.0	0.8	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.7	0.9	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10

cFirst 80 hours' use—3c. per kw-hr. Next 80 hours' use 2/3c. per kw-hr.  
dD.C. service charge \$1.50 per kw. per month for 1st 7½ kw. plus \$1.05 per kw. for all additional demand.  
A.C. service charge \$1.10 per kw. per month for 1st 7½ kw. plus \$0.90 per kw. for all additional demand.  
e1/3c. per kw-hr. for next 300 hours' use plus 1/6c. per kw-hr. for all additional.

## APPENDIX I

### ACTS

#### CHAPTER 43

An Act to amend The Power Commission Insurance Act.

*Assented to April 9th, 1941.*

*Session Prorogued April 9th, 1941.*

**H**IS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1.—Section 2 of *The Power Commission Insurance Act* is amended by adding thereto the following subsection: Rev. Stat., c. 67, s. 2, amended.

(3) Notwithstanding anything contained in subsection 1 or in any agreement made thereunder, the Commission, with the approval of the Lieutenant-Governor in Council, may enter into further agreements with any such insurance corporation varying, adding to or modifying as the Commission may deem necessary or advisable any agreement entered into under subsection 2 or this subsection and each such further agreement shall be legal, valid and binding upon each municipal authority on behalf of which it is entered into and upon the successors and assigns of such municipal authority. Power to amend.

2.—This Act shall come into force on the day upon which it receives the Royal Assent. Commencement of Act.

3.—This Act may be cited as *The Power Commission Insurance Amendment Act, 1941.* Short title.



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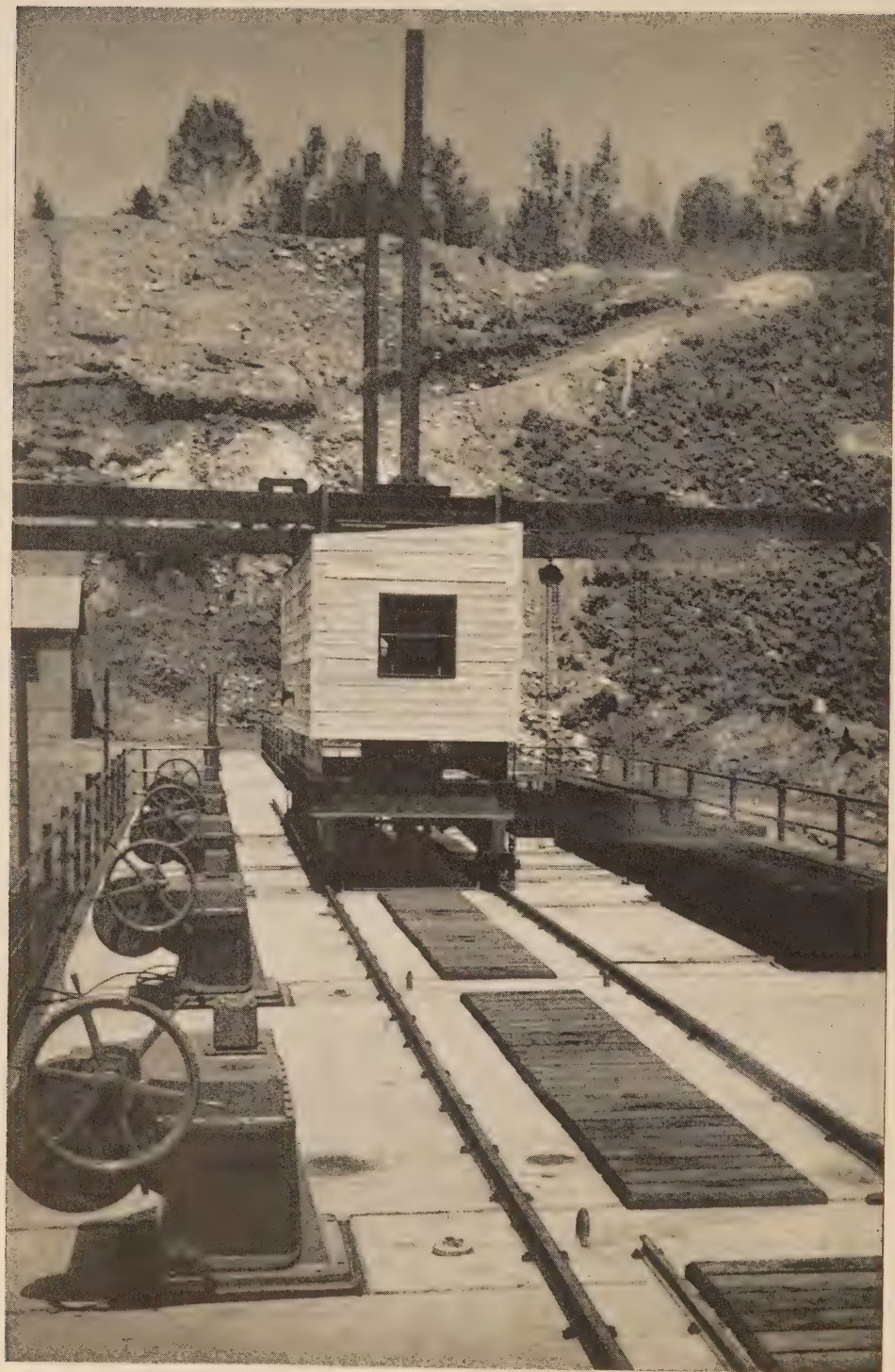
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**WATER CONSERVATION—EASTERN ONTARIO**

Deck of control section of Bark Lake dam, Madawaska river, showing stop-log winch and controls for valves in conduits

THIRTY-FIFTH ANNUAL REPORT  
OF  
THE HYDRO-ELECTRIC  
POWER COMMISSION  
OF ONTARIO

FOR THE YEAR ENDED OCTOBER 31st

1942



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1943



## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

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T. H. HOGG, B.A.Sc., C.E., D.ENG . . . . . *Chairman and Chief Engineer*  
HON. WM. L. HOUCK. B.Sc., M.L.A. . . . . *Vice-Chairman*  
J. ALBERT SMITH, M.L.A. . . . . *Commissioner*  
OSBORNE MITCHELL . . . . . *Secretary*

V

CHAIRMAN'S LETTER OF TRANSMITTAL

*To His Honour*

THE HONOURABLE ALBERT MATTHEWS, L.L.D.,

*Lieutenant-Governor of Ontario*

MAY IT PLEASE YOUR HONOUR:

The undersigned respectfully presents the Thirty-Fifth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1942.

The record of the Commission's work presented in this Annual Report relates to three principal fields—the co-operative municipal field, the field of rural supply, and the northern Ontario field. The first two cover the Commission's activities on behalf of the co-operative systems, and the last relates to its trusteeship of the Northern Ontario Properties on behalf of the Province. Throughout the various sections of the Report dealing broadly with physical operation of the plants, constructional activities and financial statements, these fields of activity are clearly differentiated.

The Report also presents for the calendar year 1942 financial statements and statistical data relating to the municipal electric utilities operating in conjunction with the several co-operative systems for the supply of electrical service throughout the Province.

#### **War Activities**

As forecast last year there developed during 1942 a shortage of power capacity to supply the growth in demand for power for Ontario's expanding war program, and in order to maintain full service to the war industries, consumption of electricity for less vital needs was curtailed. Two methods were employed: restrictive measures introduced by the Dominion Power Controller, and voluntary savings by the citizens. The restrictive measures reduced sign and street lighting, darkened store windows and show cases, eliminated decorative lighting and prohibited the use of electric air-heaters in stores and offices.

Perhaps the outstanding fact with regard to the supply of power for war needs in Ontario during 1942 was the splendid co-operation of all citizens. Suppliers, distributors and users of Hydro service, all co-operated to ensure that the power requirements of Ontario's war effort should be the first consideration.

### Operating Conditions

Depending entirely upon water-power developments for its power supplies, the Commission's operations are influenced by climatic conditions. During the winter of 1941-42 practically no trouble was experienced from ice conditions at any of the Commission's generating plants, and during the whole fiscal year only minor disturbances were experienced as the result of wind, sleet and electrical storms.

At the beginning of the winter of 1941-42 all storage reservoirs were somewhat above normal level. Good water conditions existed until after the spring run-off but, as is usual, there was sub-normal precipitation in some areas during the summer, and river flows, notably on the Ottawa river, receded to low values by early fall. Before the winter peak load season of 1942-43 arrived, however, fall rains had improved the situation.

### Load Conditions

Expanding war industries continued to demand increased quantities of power throughout the year. When it became evident that these war demands would result in a total demand in excess of the visible and prospective power supplies, attention was focussed upon shifting available power resources from less essential uses to those by which a maximum contribution to the war effort can be made. This was accomplished by mandatory restrictions and by a voluntary savings campaign, chiefly concerned with the domestic consumer. These efforts had a marked effect upon the primary load from September 1942 on and enabled the Commission to supply the winter peak of December 1942 with only relatively small cuts in power delivery for brief periods.

All of the year's growth in primary load occurred in Southern Ontario on the Niagara, Georgian Bay and Eastern Ontario systems, where nearly all the war production plants of the Province are situated. In this area demands for primary power reached record levels, the energy output for primary power purposes exceeding that of the previous year by 20 per cent. Part of this increase resulted from the conversion of substantial blocks of power from secondary to primary classification.

In the areas served by the Northern Ontario Properties the output for primary power purposes was 6.3 per cent less than the previous year. This was due chiefly to curtailment of gold mining activities.

All power resources available to the Commission were used to the greatest possible extent throughout the year. The total energy output was 11,674,049,281 kilowatt-hours, exceeding all previous records, including that of the preceding year by 11.5 per cent.

### Additional Power Supplies

To keep pace as far as possible with expanding war production, additional supplies of power totalling 139,000 horsepower were secured for the Southern Ontario systems during the fiscal year. The Quebec power companies supplied 75,000 horsepower of this total and 5,000 horsepower was secured from the Welland Ship Canal plant of the Department of Transport.



In November 1941 the second of the two units at the Big Eddy development on the Muskoka river added 5,000 horsepower to the resources of the Georgian Bay system and in August 1942 the Eastern Ontario system's resources were increased by 54,000 horsepower when the new development at Barrett Chute on the Madawaska river was placed in full operation.

In 1941, by negotiating with the United States government, additional water diversion on the Niagara river was arranged, bringing the total Canadian diversion up to 50,000 cubic feet per second. This has enabled the three large generating stations of the Commission on the Niagara river to operate at maximum 24-hour output throughout the year, to the benefit of munitions production. During the year the Commission co-operated with the Quebec power companies in the utilization of any excess energy that these companies had available.

The accompanying tabulations show for the months of October and December 1941 and 1942 the primary peak loads of the co-operative systems and of the several districts of the Northern Ontario Properties. They also give similar data for the primary and secondary loads.

#### Many Hydraulic Construction Activities

During the past year the sum of fifteen million dollars was expended by the Commission on new construction, making a total in excess of fifty million dollars since the outbreak of the war. Work was particularly active in connection with hydraulic structures. These included the Ogoki diversion, and the construction of a submerged weir across the Niagara river, in addition to the power development completed at Barrett Chute, the Bark lake storage dam and the development under way at DeCew Falls.

On the Ogoki diversion practically all of the hydraulic structures were completed during the year, including the main dam at Waboose rapids and the two adjacent auxiliary dams. The reservoir created by these dams will have an area of 108 square miles. The channel and control works at the height of land are also ready to pass the flow of water into South Summit lake and thence to lake Nipigon and the Great Lakes. On the improved waterway which will carry the diverted water from the height of land to lake Nipigon, certain work is still in hand, more particularly the channel improvements adjacent to the new railway bridge at Jackfish crossing near lake Nipigon. The remaining work will be completed early in the summer of 1943 when the diversion project is expected to be placed in operation for the diversion of water from the James Bay watershed to the Great Lakes system in accordance with the agreement made with the United States.

Part of the water reserved for Canadian use as a result of this diversion will be utilized in the new plant at DeCew Falls which was commenced in 1941. Good progress was made on the various hydraulic works at this new hydro-electric plant. By the end of the year work was proceeding on the intake structure, the power-house substructure, the excavation of head-works canal and tailrace and the outlet control structure at Port Dalhousie. The excavation work in connection with this new power development involved removal of a total of 1,767,000 cubic yards of earth and 333,000 cubic yards of rock.

## DISTRIBUTION OF PRIMARY POWER TO SYSTEMS

## 20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PRIMARY PEAKS

System	1941	1942
	October	
Niagara system (including Dominion Power and Transmission division—66-2/3 cycle).....	1,536,997	1,634,316
Georgian Bay system.....	47,273	45,276
Eastern Ontario system.....	180,650	176,895
Thunder Bay system.....	104,859	101,046
Total—Co-operative Systems.....	1,869,779	1,957,533
Northern Ontario Properties:		
Abitibi district.....	185,255	171,180
Sudbury district.....	19,597	20,909
Nipissing district.....	5,791	5,416
Manitoulin district.....	504	464
Patricia district.....	15,791	11,059
Total—Northern Ontario Properties.....	226,938	209,028
Total.....	2,096,717	2,166,561
	December	
Niagara system (including Dominion Power and Transmission division—66-2/3 cycle).....	1,660,991	1,727,212
Georgian Bay system.....	50,582	47,288
Eastern Ontario system.....	181,961	183,039
Thunder Bay system.....	108,633	108,552
Total—Co-operative Systems.....	2,002,167	2,066,091
Northern Ontario Properties:		
Abitibi district.....	158,445	170,509
Sudbury district.....	21,692	21,497
Nipissing district.....	5,817	5,771
Manitoulin district.....	550	497
Patricia district.....	13,941	10,818
Total—Northern Ontario Properties.....	200,445	209,092
Total.....	2,202,612	2,275,183

This 25-cycle generating plant will have an initial capacity of 65,000 horsepower for the benefit of the Niagara system. The construction schedule calls for delivery of power in the early summer of 1943.

In the Eastern Ontario system, Barrett Chute development on the Madawaska river was brought to a successful completion. This plant contains two hydro-electric units, each of 27,000 horsepower capacity under a head of 150 ft. It entailed the construction of a main dam 1,200 ft. long and with a height of nearly 100 ft. The plant was completed in less than two years and both units were placed in commercial operation in August last.

## DISTRIBUTION OF PRIMARY AND SECONDARY POWER TO SYSTEMS

## 20-MINUTE PEAK HORSEPOWER—SYSTEM COINCIDENT PEAKS

System	1941	1942
	October	
Niagara system (including Dominion Power and Transmission division—66-2/3 cycle).....	1,682,975	1,676,273
Georgian Bay system.....	47,407	45,276
Eastern Ontario system.....	180,650	176,895
Thunder Bay system.....	128,539	106,716
Total—Co-operative Systems.....	2,039,571	2,005,160
Northern Ontario Properties:		
Abitibi district.....	230,965	222,788
Sudbury district.....	19,597	20,909
Nipissing district.....	5,791	5,416
Manitoulin district.....	504	464
Patricia district.....	15,791	11,059
Total—Northern Ontario Properties.....	272,648	260,636
Total.....	2,312,219	2,265,796
	December	
Niagara system (including Dominion Power and Transmission division—66-2/3 cycle).....	1,665,282	1,762,869
Georgian Bay system.....	50,582	47,288
Eastern Ontario system.....	181,961	183,039
Thunder Bay system.....	134,531	120,643
Total—Co-operative Systems.....	2,032,356	2,113,839
Northern Ontario Properties:		
Abitibi district.....	224,129	231,501
Sudbury district.....	21,692	21,497
Nipissing district.....	5,817	5,771
Manitoulin district.....	550	497
Patricia district.....	13,941	10,818
Total—Northern Ontario Properties.....	266,129	270,084
Total.....	2,298,485	2,383,923

NOTE: Due to mandatory restrictions by Dominion Power Controller and voluntary savings by consumers, the peak loads both in October and December 1942 were much lower than they would otherwise have been. For fuller information, reference should be made to text and peak load diagrams of Section II, pages 4 to 29.

Bark Lake dam, which controls the supply of water to the Barrett Chute plant, was completed in March 1942. It is situated some 65 miles upstream and provides 300,000 acre feet of storage for the Barrett Chute and Calabogie plants. Additional storage of some 200,000 acre feet was made available by improvements and reconstruction of control works on a number of smaller lakes on the upper reaches of the Madawaska river.



The construction of a submerged rock weir across the Niagara river approximately half-a-mile below the intake of the Queenston-Chippawa power canal is proceeding satisfactorily. When completed the weir will be 1,450 feet in length, 40 feet wide at the top and some two to ten feet high. Rock fill placed during the year totalled 22,000 tons. It was deposited in the river by means of a cableway between steel towers, the head tower on the Canadian shore and the tail tower on an artificial island about 2,200 feet upstream from Goat island. This weir serves two purposes: it improves the conditions for the generation of power on both sides of the river and at the same time improves scenic values by contributing to a better distribution of the flow at the crest of the falls. The weir has already increased the proportion of the flow passing over the American falls and when certain auxiliary works have been constructed will make a better distribution of the remaining flow at the crest of the Canadian falls.

#### Transmission Networks Extended

In addition to the electrical construction involved in the new power development at Barrett Chute, a large amount of work was carried out in connection with the various transmission and distribution networks. The scarcity of such important construction materials as steel, copper and aluminum has greatly complicated the problem of providing for the continued increasing loads of the Southern Ontario systems. The problem was to secure the maximum use of existing equipment with a minimum employment of new material. In these problems the network calculator housed in Administration building and placed in service early in 1942, has been of great value.

The process of co-ordinating and interconnecting the power facilities of the three Southern Ontario systems has continued during the year. In order to transfer surplus power that may be available from time to time in the Eastern Ontario system as a result of the Barrett Chute development, one bank of transformers of 47,000 kv-a capacity is being installed at Chats Falls adjacent to the Chats Falls frequency-changer. At a number of the power stations, including Chats Falls, Chelsea, Bryson and Barrett Chute, equipment for the control of load and frequency is being installed. This will enable more efficient use to be made of available generating capacity.

At Burlington transformer station the third 75,000-kv-a transformer bank with switching and control equipment is expected to be ready for service early in 1943.

The new 50,000-kv-a transformer station at Toronto Esplanade was placed in service in March 1942. Transformer stations of 8,000-kv-a were placed in service at Palmerston and St. Catharines.

In the Georgian Bay system the change in transmission voltage from 22,000 to 38,000 volts over most of the system was completed and has materially improved operating conditions and decreased power losses.

In all systems much additional equipment and many extensions to distribution lines were required to serve additional loads almost entirely for war work. These included air training schools, military camps, ammunition factories, arsenals, electric furnaces and mines.

### St. Lawrence and Ottawa Rivers

In last year's Annual Report, reference was made to the execution of agreements, dated March 19th, 1941, between Canada and the United States and between Canada and Ontario, providing for the development of navigation and power in the Great Lakes-St. Lawrence basin, and it was noted that these agreements would not be effective until they received proper legislative sanction. Attention was directed to the delay in legislative action and to the unfortunate consequences of that delay. Uncertainty as to whether or not the St. Lawrence project would be launched continued until the spring of 1942 and this uncertainty, in conjunction with the Commission's commitment for nearly \$90,000,000 under the St. Lawrence agreement, continued to restrain the Commission from undertaking another major power development elsewhere.

When at last it became apparent that the St. Lawrence project could not be counted upon to go forward in the early future, the Commission turned to the interprovincial Ottawa river as a source of power. The Provincial Government authorized the Chairman of this Commission to act as the representative of the Province of Ontario and negotiate an agreement with the Government of Quebec on a basis which would be satisfactory to the Commission. Discussions in which representatives of the Province of Ontario, the Province of Quebec, The Hydro-Electric Power Commission of Ontario, and the Quebec Streams Commission, the parties to the proposed agreement, took part, were carried on during the remainder of 1942, and by the end of the calendar year the problems had been resolved and an agreement acceptable to all parties was nearly ready for signature.\*

Broadly, the agreement allocates to each of the provinces of Ontario and Quebec, for their exclusive use in so far as power development is concerned, certain power sites on the Ottawa river. The sites assigned will enable each province to develop at locations well suited to their respective needs approximately equal amounts of power from this great interprovincial river.

The largest site to be allocated to Ontario is that at Des Joachims where, under a head of 135 feet, an initial development of about 300,000 horsepower is practicable, with an ultimate installation of possibly 400,000 horsepower.

### Increased Industrial Activity

During 1942 the industrial cities of southwestern Ontario served by the Niagara system experienced a substantial increase in war industry loads. These increases, except in a few instances, were not due to service being given to new types of industries, but rather to an extension of facilities serving industries already established. These included electro-chemical and electro-metallurgical industries, steel production facilities, aircraft assembly plants, and plants manufacturing aircraft parts in many sections of the Province. Some increases were due to bringing into production facilities previously created for the manufacture of anti-aircraft and field artillery.

The expansion of these facilities has had a stimulating effect on such allied activities as the production of coke, special forms of steel, non-ferrous

\*The Ottawa river power sites agreement was executed in January, 1943, and ratified by the Ontario Legislature in February.

alloys and other products. In one city served by the Niagara system six large electric arc furnaces for the production of steel were installed.

Although the Georgian Bay system includes no large cities, there are many important war production plants, including shipbuilding yards and airforce stations; there are also important training camps in the area served. One industry that has assumed Canada-wide importance is the manufacture of bronze propellers for the expanding shipbuilding programme. These are now being made in a city served by the Georgian Bay system.

The completion of the Barrett Chute development placed the Eastern Ontario system in a satisfactory position with respect to power supplies. Unexpectedly large increases in the demands for power by industries in some localities and the starting up of new industries in other districts presented a number of urgent distribution problems, involving the speedy construction of line extensions and provision of additional capacity for lines and transformer stations. These changes to meet war loads have all had to be carried out under the handicap of diminished supplies of material. This involved close co-operation with the Metals Controller of Canada.

The important aluminum fabricating plant established some two years ago in an eastern Ontario city is turning out castings and extruded shapes in large volume. This plant is equipped with large electric annealing ovens. Another new industry in eastern Ontario is the production of magnesium from dolomite by electric furnace methods. Magnesium has become an important partner of aluminum in aircraft manufacture and Canada is now able to supply her own requirements and produces a sizeable surplus for export.

The Thunder Bay system's war activities include the supply of power for shipbuilding and airplane construction. Improved stream flow enabled the Commission to increase the sale of secondary power to the pulp and paper industry.

In connection with the Northern Ontario Properties, there was a net reduction in power demands as compared with the previous year. This was due in part to mines closing down on account of exhausted ore bodies, but chiefly to suspension or curtailment of operations due to war conditions. On the other hand, increased quantities of power were demanded for the production of nickel.

#### **Rural Construction**

In 1942 the Commission was unable to undertake large rural extensions due to the necessity of conserving construction material for war purposes. Some extensions were made to serve new houses in areas adjacent to war production centers, and of course service was given when required in connection with war industries in rural districts. The average power sold to rural consumers, including war industries in rural areas, increased during 1942 by 6.5 per cent. This is a smaller increase than in recent years and is due not only to decreased construction, but to restriction in the use of power as ordered by the Dominion Power Controller, and to voluntary conservation by many consumers.

#### **Research**

The research work in the Commission laboratories was on a somewhat reduced scale owing to the transfer of several of the staff at the request of



the government for vital war research work elsewhere. The problems dealt with in the laboratories at Toronto have included the search for substitutes for scarce materials and the study of means for combating the deterioration of materials employed in electrical and other equipment. Several direct contributions to the war effort were made by co-operation with government departments, the armed services, and electrical manufacturers. Inspection of electrical material required by the Army and Navy has also formed part of the activities of the laboratories.

#### CAPITAL INVESTMENT

The total capital investment of The Hydro-Electric Power Commission of Ontario in power undertakings is \$354,867,278.27 exclusive of government grants in respect of construction of rural power districts' lines (\$19,085,198.62); and the investment of the municipalities in distributing systems and other assets is \$128,465,747.17, making in power undertakings a total investment of \$483,333,025.44.

The following statement shows the capital invested in the respective systems, districts and municipal undertakings, etc.:

Niagara system (including Hamilton street railway).....	\$241,291,812. 85
Georgian Bay system.....	14,306,427. 24
Eastern Ontario system.....	31,432,967. 17
Thunder Bay system.....	20,020,571. 02
Office and service buildings.....	3,690,275. 28
Construction plant and inventories.....	3,955,518. 62
Total capital investments in co-operative systems.....	\$314,697,572. 18
Northern Ontario Properties—Operated by H-E.P.C. on behalf of the Province of Ontario.....	39,968,679. 79
Northern Ontario Properties—Construction plant and inventories.....	201,026. 30
Total Commission capital investments.....	\$354,867,278. 27
Municipalities' distribution systems.....	102,086,459. 14
Other assets of municipal Hydro utilities.....	26,379,288. 03
Total.....	<u>\$483,333,025. 44</u>

#### RESERVES OF COMMISSION AND MUNICIPAL ELECTRICAL UTILITIES

The total reserves of the Commission and the municipal electric utilities for depreciation, contingencies, stabilization of rates, sinking fund and insurance purposes, amount to \$289,473,995.81, made up as follows:

Niagara system (including Hamilton street railway).....	\$125,698,318. 65
Georgian Bay system.....	7,064,329. 34
Eastern Ontario system.....	14,661,141. 54
Thunder Bay system.....	10,032,708. 44
Office and service buildings and equipment.....	1,353,272. 57
Total reserves in respect of co-operative systems' properties.....	\$158,809,770. 54
Northern Ontario Properties.....	14,086,991. 46
Fire insurance reserve.....	106,688. 28
Miscellaneous reserves.....	439,125. 81
Employers' liability insurance, and staff pension reserves.....	9,062,135. 14
Total reserves of the Commission.....	\$182,504,711. 23
Total reserves and surplus of municipal electric utilities.....	106,969,284. 58
Total Commission and municipal reserves.....	<u>\$289,473,995. 81</u>

**Financial Operating Results for 1942**

Revenues of the Commission continued to reflect the progressive adaptation of industry to war requirements. Power supplied by the Commission to large industries served by it on behalf of the Niagara and other Southern Ontario systems yielded about \$3,000,000 more revenue than in 1941. During the early part of the year there was a substantial increase in the revenue from municipalities and customers in rural power districts.

In the last month of the fiscal year, however, the municipalities actually used less power than in the same month of the previous year. This resulted in some decrease of revenue for this month as compared with the same month last year. Altogether, the balance available for reserves is somewhat greater than in 1941.

The revenues of the Northern Ontario Properties from gold mining consumers were less than in 1941 to an extent that was not fully offset by increased revenues from other sources. The Properties, however, were in a position to make adequate provision for reserves.

**REVENUE OF COMMISSION**

The revenue of the Commission at interim rates from the municipal utilities operating under cost contracts, from customers in rural power districts and from other customers with whom—on behalf of the municipalities—the Commission has special contracts, all within the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems, aggregated \$48,590,812.66. The revenue of the Commission from customers served by the Northern Ontario Properties, which are held and operated in trust for the Province, was \$5,156,247.18, making a total of \$53,747,059.84.

Summarized operating results of these co-operative systems and rural power districts and of the Northern Ontario Properties, follow:

**SUMMARIZED OPERATING RESULTS****OF THE****NIAGARA, GEORGIAN BAY, EASTERN ONTARIO AND THUNDER BAY SYSTEMS**

Revenue: amount received from or billed against municipalities and other customers.....	\$43,244,318.65	
Revenue from customers in rural power districts.....	5,346,494.01	
Total revenue, systems and rural.....		\$48,590,812.66
Operation, maintenance, administration, interest and other current expenses.....		\$32,364,624.11
Provision for reserves—		
Renewals.....	\$2,559,849.65	
Contingencies and obsolescence.....	7,386,166.76	
Stabilization of rates.....	2,558,571.73	
Sinking fund.....	3,037,120.41	
		15,541,708.55
		<u>47,906,332.66</u>
Balance.....		<u>\$ 684,480.00</u>

## SUMMARIZED OPERATING RESULTS

OF THE

## NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario  
In trust for the Province of Ontario

Revenue: amount received from or billed against municipalities and other customers.....		\$ 5,156,247.18
Operation, maintenance, administration, interest and other current expenses.....	\$ 2,688,261.30	
Provision for reserves—		
Renewals.....	\$ 338,292.43	
Contingencies and obsolescence.....	387,266.85	
Sinking fund.....	1,131,092.19	
	<u>\$ 1,856,651.47</u>	4,544,912.77
Balance.....		<u>\$ 611,334.41</u>

## COMPARATIVE FINANCIAL STATEMENTS RESPECTING THE SYSTEMS OF THE COMMISSION

## NIAGARA SYSTEM

	1941	1942
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased.....	7,780,692.51	9,651,968.72
Operation, maintenance and administration.....	5,130,939.35	5,724,945.27
Interest.....	10,136,550.91	10,619,781.74
Provision for renewals.....	1,743,493.19	1,850,738.54
Provision for contingencies and obsolescence.....	5,303,314.71	6,382,630.48
Provision for stabilization of rates.....	1,835,247.20	1,957,590.60
Sinking fund.....	2,335,878.57	2,404,449.96
TOTAL COST OF POWER.....	34,266,116.44	38,592,105.31
REVENUE from municipalities at interim rates, from rural consumers and from private customers under contract rates	34,813,827.49	39,167,849.65
Net balance credited to municipalities under cost contracts....	547,711.05	575,744.34



# COMPARATIVE FINANCIAL STATEMENTS RESPECTING THE SYSTEMS OF THE COMMISSION

## GEORGIAN BAY SYSTEM

	1941	1942
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased.....	151,543.77	83,812.29
Operation, maintenance and administration.....	573,612.85	690,858.26
Interest.....	543,010.44	600,387.42
Provision for renewals.....	177,086.98	192,533.41
Provision for contingencies and obsolescence.....	222,236.76	239,104.86
Provision for stabilization of rates.....	150,864.80	117,695.40
Sinking fund.....	131,321.22	147,875.97
TOTAL COST OF POWER.....	1,949,676.82	2,072,267.61
REVENUE from municipalities at interim rates, from rural consumers and from private customers under contract rates	1,964,178.19	2,051,429.63
Net balance credited (or charged) to municipalities under cost contracts.....	14,501.37	(20,837.98)

## EASTERN ONTARIO SYSTEM

	1941	1942
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Power purchased.....	1,113,892.68	1,247,460.09
Operation, maintenance and administration.....	1,046,413.90	1,272,395.97
Interest.....	1,083,655.65	1,123,980.52
Provision for renewals.....	324,269.78	351,439.05
Provision for contingencies and obsolescence.....	349,889.12	468,847.64
Provision for stabilization of rates.....	435,180.40	346,051.50
Sinking Fund.....	260,226.79	286,511.33
TOTAL COST OF POWER.....	4,613,528.32	5,096,686.10
REVENUE from municipalities at interim rates, from rural consumers and from private customers under contract rates	4,711,338.41	5,196,082.88
Net balance credited to municipalities under cost contracts....	97,810.09	99,396.78

## THUNDER BAY SYSTEM

	1941	1942
	\$ c.	\$ c.
OPERATING EXPENSES AND FIXED CHARGES		
Operation, maintenance and administration.....	335,698.19	370,312.93
Interest.....	970,641.64	978,720.90
Provision for renewals.....	164,722.38	165,138.65
Provision for contingencies and obsolescence.....	234,144.07	295,583.78
Provision for stabilization of rates.....	180,053.97	137,234.23
Sinking fund.....	198,319.23	198,283.15
TOTAL COST OF POWER.....	2,083,579.48	2,145,273.64
REVENUE from municipalities at interim rates, from rural consumers and from private customers under contract rates	2,106,746.30	2,175,450.50
Net balance credited to municipalities under cost contracts....	23,166.82	30,176.86

## MUNICIPAL ELECTRIC UTILITIES

The following is a summary of the year's operation of the local electric utilities conducted by municipalities receiving power under cost contracts with the Commission:

Total revenue collected by the municipal electric utilities.....	\$ 41,734,175.03
Cost of power.....	\$26,038,381.60
Operation, maintenance and administration.....	6,450,234.44
Interest.....	959,236.66
Sinking fund and principal payments on debentures.....	1,987,432.58
Depreciation and other reserves.....	3,512,875.82
Total.....	38,948,161.10
Surplus.....	\$ 2,786,013.93

With regard to the local Hydro utilities operating under cost contracts, the following statements summarize for each of the four co-operative systems administered by the Commission, the financial status and the year's operations as detailed in Section X of the Report.

## NIAGARA SYSTEM

The total plant assets of the Niagara system utilities amount to \$84,899,411.27. The total assets, including an equity in the H-E.P.C. of \$49,494,317.80, aggregate \$155,402,862.12. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in the H-E.P.C., amount to \$87,160,135.69, an increase of \$5,814,348.28 during the year 1942. The percentage of net debt to total assets is 12.7 a reduction of 2.7 per cent.

The total revenue of the municipal electric utilities served by this system was \$34,595,805.87, an increase of \$1,547,182.01 as compared with the previous year. After meeting all expenses in respect of operation, including interest setting up the standard depreciation reserve amounting to \$2,374,355.22 and providing \$1,854,058.37 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Niagara system amounted to \$2,386,199.16 as compared with \$2,053,468.26 the previous year.

## GEORGIAN BAY SYSTEM

The total plant assets of the Georgian Bay system utilities amount to \$3,127,888.72. The total assets, including an equity in the H-E.P.C. of \$1,847,051.18, aggregate \$5,523,041.57. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$3,393,981.96, an increase of \$143,882.23 during the year 1942. The percentage of the net debt to total assets is 7.7, a reduction of 2.2 per cent.

The total revenue of the municipal electric utilities served by this system was \$1,477,673.87, an increase of \$49,773.46 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$103,059.89 and providing \$35,957.25 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Georgian Bay system amounted to \$16,037.59, as compared with a loss of \$6,372.94 the previous year.

#### EASTERN ONTARIO SYSTEM

The total plant assets of the Eastern Ontario system utilities amount to \$9,905,923.39. The total assets, including an equity in the H-E.P.C. of \$2,726,778.32, aggregate \$16,084,574.10. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$11,665,238.04, an increase of \$779,455.23 during the year 1942. The percentage of net debt to total assets is 7.1, a reduction of 1.7 per cent.

The total revenue of the municipal electric utilities served by this system was \$4,585,556.23, an increase of \$170,966.67 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$282,688.00 and providing \$91,198.43 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Eastern Ontario system amounted to \$272,528.69 as compared with \$340,619.93 the previous year.

#### THUNDER BAY SYSTEM

The total plant assets of the Thunder Bay system utilities amount to \$2,718,422.93. The total assets, including an equity in the H-E.P.C. of \$3,012,344.47, aggregate \$6,696,647.33. The reserves and surplus accumulated in connection with the local utilities, exclusive of the equity in H-E.P.C., amount to \$3,327,783.80, a decrease of \$58,516.12 during the year 1942. The percentage of net debt to total assets is 7.1, a reduction of 3.9 per cent.

The total revenue of the municipal electric utilities served by this system was \$1,075,139.06, a decrease of \$357,021.36 as compared with the previous year. After meeting all expenses in respect of operation, including interest, setting up the standard depreciation reserve amounting to \$55,193.48 and providing \$6,218.53 for the retirement of instalment and sinking fund debentures, the total net surplus for the year for the municipal electric utilities served by the Thunder Bay system amounted to \$111,248.49, as compared with \$8,250.82 for the previous year.

The decrease in revenue of the local utilities of the Thunder Bay system in 1942 is due to the fact that in this year the Commission took over as system loads, the loads of the paper mills formerly served by the Port Arthur Public Utilities Commission.



\* \* \*

In these strenuous war years the Commission is reaping the benefit of the sound policies followed in the past. The practice of adhering to rigid specifications calling for a high standard of construction and equipment in its generating stations and transmission and distribution networks has ensured a physical plant remarkably free from major breakdowns and minor troubles. In wartime this provides a margin of safety which gives dependable service under greatly increased loads.

The freedom given the Commission from the very beginning to decide the internal form of its organization and to appoint its employees, has enabled it to build up a technical staff of high calibre and to secure a continuity of technical administration essential to trouble-free operation.

The Hydro enterprise as a whole enjoys many of the advantages which come from centralized control combined with local independence and freedom of action. During the past year there have been the customary opportunities for personal contacts and interchange of views between the Commission and the officials of the municipal Hydro utilities, and the most cordial co-operative spirit has prevailed. My colleagues, Hon. William L. Houck and Mr. J. Albert Smith, join me in this acknowledgment of the support given by the local bodies, by the general public and by the Press of the Province throughout the third year of war.

Up to the end of 1942 more than 800 employees of the Commission left to join the armed forces. In meeting the situation, the Commission has been assisted by the employment of a large number of women and girls, and by the loyal co-operation of the remaining employees in undertaking further responsibilities.

Again I am able to record that all demands for Hydro power for war industries have been met. Conservation and economy in the less essential uses must, however, continue to be our watchword. With these assured, Hydro power will stand firmly behind the very important contribution Ontario is making to Canada's war effort.

Respectfully submitted,

T. H. HOGG,

*Chairman*

TORONTO, ONTARIO, MARCH 31, 1943.

T. H. HOGG, ESQ., B.A.Sc., C.E., D.ENG.,

*Chairman, The Hydro-Electric Power Commission of Ontario,  
Toronto, Ontario.*

Sir:

I have the honour to submit, herewith, the Thirty-Fifth Annual Report of The Hydro-Electric Power Commission of Ontario for the fiscal year which ended October 31, 1942. This report covers the operations of the Commission with regard to the supply of power to, or on behalf of, the partner Municipalities of the several Co-operative Systems, as well as the administration of the Northern Ontario Properties, which are held and operated by the Commission in trust for the Province of Ontario.

I have the honour to be, Sir,

Your obedient servant,

OSBORNE MITCHELL,  
*Secretary*

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THIRTY-FIFTH ANNUAL REPORT  
OF  
**The Hydro-Electric Power Commission  
of Ontario**

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**FOREWORD  
and  
Guide to the Report**

**T**HE Hydro-Electric Power Commission of Ontario administers a co-operative municipal-ownership enterprise, supplying power throughout the Province of Ontario. The Commission was created in 1906 by special act of the Legislature and followed investigations by advisory commissions appointed as a result of public agitation to conserve the water powers of Ontario as a valuable asset of the people and to provide a more satisfactory supply of low-cost power in southern Ontario. In 1907 the Power Commission Act (7-Edward VII Ch. 19) was passed amplifying and extending the Act of 1906, and this Act—modified by numerous amending acts which now form part of the Revised Statutes of Ontario, 1937, Chap. 62, and subsequent amending Acts—constitutes the authority under which the Commission operates.

The Hydro-Electric Power Commission of Ontario consists of a Chairman and two Commissioners, all of whom are appointed by the Lieutenant-Governor-in-Council to hold office during pleasure. One of the Commissioners must be a member of the Executive Council and two may be members.

In 1909, work was commenced on a comprehensive transmission system and by the end of 1910 power was being supplied to several municipalities.

The Commission has now been supplying electrical energy for more than thirty-two years and the Report contains diagrams depicting the growth of the enterprise. During this period the costs of electricity to the consumer have been substantially reduced and the finances of the enterprise have been established on a secure foundation.

At the end of 1942 the Commission was serving 902 municipalities in Ontario. This number included 26 cities, 105 towns, 304 villages and police villages and 467 townships. With the exception of 14 suburban sections of townships known as "voted areas", the townships and 121 of the smaller villages are served as parts of 120 rural power districts.

**Financial Features of Co-operative Systems**

The basic principle governing the financial operations of the undertaking is, that electrical service be given by the Commission to the municipalities and by the municipalities to the ultimate consumers at cost. Cost includes not only all operating and maintenance charges, interest on capital investment and reserve for renewals or depreciation, for obsolescence and contingencies, and for stabilization of rates, but also a reserve for sinking fund or capital payments on debentures.

The undertaking from its inception has been entirely self-supporting and no contributions have been made from general taxes except in connection with service in rural power districts. In this case, the Province, in pursuance of its long established policy of assisting agriculture and with the approval of the urban citizens, assists extension of rural electrical service by a grant-in-aid of the capital cost and in other ways as specified and detailed in the Report.

As the principle of "service at cost" is radically different from that obtaining in private organizations, where profit is the governing feature, it naturally results in different and in some ways unique administrative features.

The undertaking as a whole involves two distinct phases of operations as follows:

The *First* phase of operations is the provision of the electrical power—either by generation or purchase—and its transformation, transmission and delivery in *wholesale* quantities to individual municipal utilities, to large industrial consumers, and to rural power districts. This phase of the operations is performed by The Hydro-Electric Power Commission of Ontario as trustee for the municipalities acting collectively in groups or "systems", and the financial statements relating to these collective activities of the municipalities are presented in Section IX of the Report. Each system of municipalities, as provided in *The Power Commission Act*, forms an independent financial unit and the accounts are therefore segregated and separately presented for each system. In order, however, that there may be a comprehensive presentation of the co-operative activities of the undertaking as a whole, there are presented, in addition, for the four main systems and miscellaneous co-operative activities, a balance sheet of assets and liabilities, a statement of cost distributions, a tabulation of fixed assets, and summary combined statements respecting the various reserves.

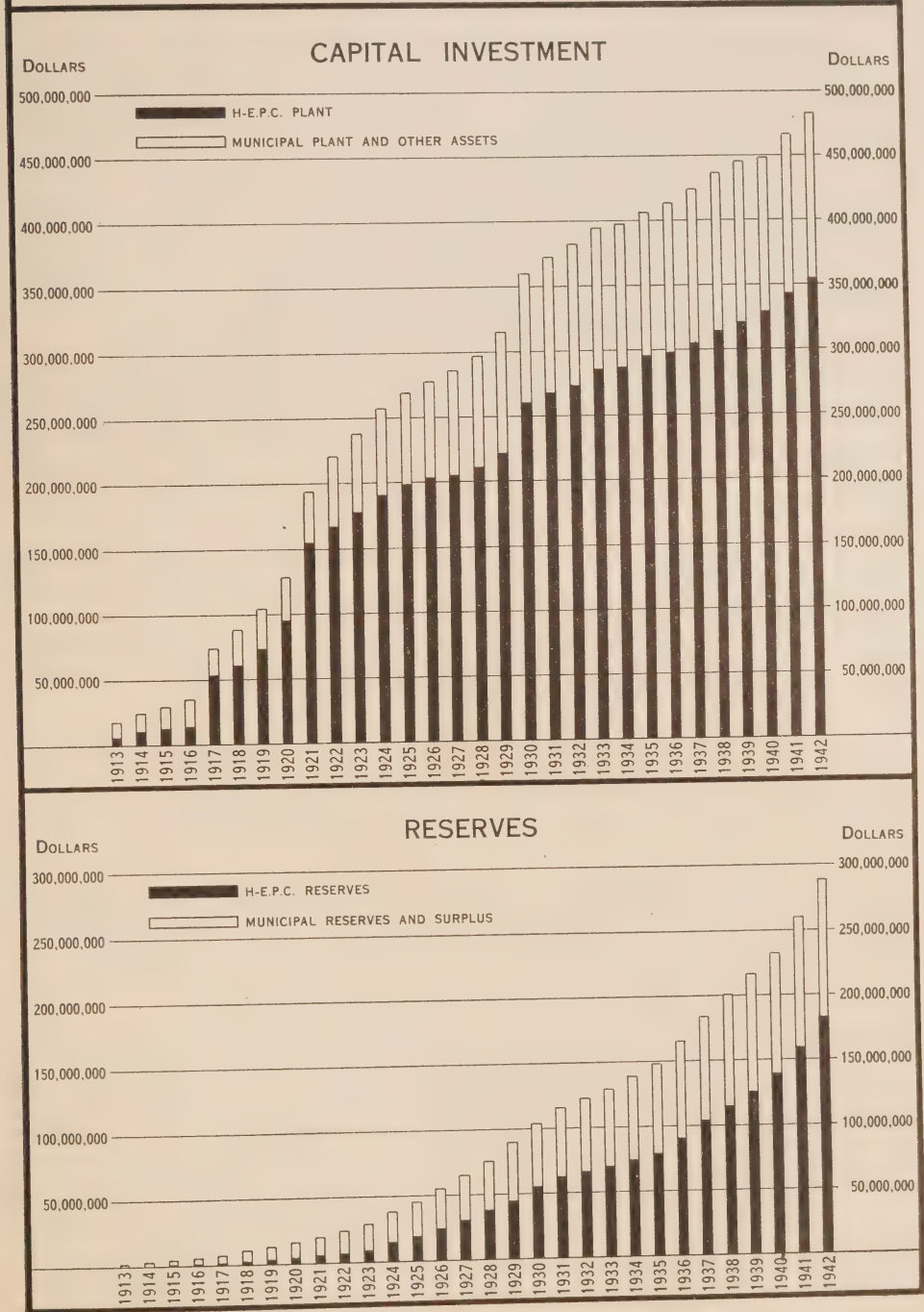
The *Second* phase of operations is the *retail* distribution of electrical energy to consumers within the limits of the areas served by the various municipal utilities and rural power districts. In the case of rural power districts which usually embrace portions of more than one township, The Hydro-Electric Power Commission not only provides the power at wholesale, but also—on behalf of the respective individual townships—attends to all physical and financial operations connected with the distribution of energy at retail to the consumers within the rural power districts. Summary financial statements relating to the rural power districts are also presented in Section IX of the Report, and a general report on their operation is given in Section IV.

In the case of cities, towns, many villages and certain thickly populated areas of townships, retail distribution of electrical energy provided by the Commission is in general conducted by individual local municipal utility commissions under the general supervision of The Hydro-Electric Power Commission of Ontario. The balance sheets, operating reports and statistical data relating to the individual urban electrical utilities are presented in Section X of the Report.

For the Northern Ontario Properties held and operated by the Commission in trust for the Province there are also presented in Section IX financial statements including a balance sheet, an operating account, and statements respecting reserves and capital expenditures.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

THIRTY YEARS RECORD — ALL SYSTEMS





Further details respecting administration and explanations of the financial tables presented in the Report are given in the introductions to sections IX and X on pages 91 and 177.

### Co-operative Systems Operating

From time to time in accordance with provisions in *The Power Commission Act* various groups of municipalities have been co-ordinated to form systems for the purpose of obtaining power supplies from convenient sources. In some cases these small systems grew until their transmission lines interlocked with those of adjacent systems and it proved beneficial to consolidate the transmission networks and the financial and administrative features. In the well settled parts of the Province, known as Old Ontario, this process has now reached a more stable condition and the municipalities of the southern part of the Province are now combined in three systems: the Niagara system, the Georgian Bay system and the Eastern Ontario system. One other system of partnership municipalities is known as the Thunder Bay system.

*The Niagara System* is the largest and most important system. It embraces municipalities in all the territory between Niagara Falls, Hamilton and Toronto on the east and Windsor, Sarnia and Goderich on the west. It is served with electrical energy generated at plants on the Niagara river, supplemented with power transmitted from generating plants on the Ottawa river and with power purchased from Quebec companies.

*The Georgian Bay System* comprises municipalities in that part of the Province which surrounds the southern end of Georgian Bay and lies to the north of the territory served by the Niagara system. It includes the districts surrounding lake Simcoe and extends as far north as Huntsville in the Lake of Bays district and south to Port Perry. Its power supplies are derived chiefly from local water power developments.

*The Eastern Ontario System* serves all of Ontario east of the areas comprising the Georgian Bay and the Niagara systems. It includes the districts of Central Ontario, St. Lawrence, Rideau, Ottawa and Madawaska; formerly separate systems. Its power supplies are from local developments supplemented by purchases from other sources.

*The Thunder Bay System* comprises the cities of Port Arthur and Fort William, adjacent rural sections, the village of Nipigon, and the mining district of Longlac. Two developments on the Nipigon river supply power.

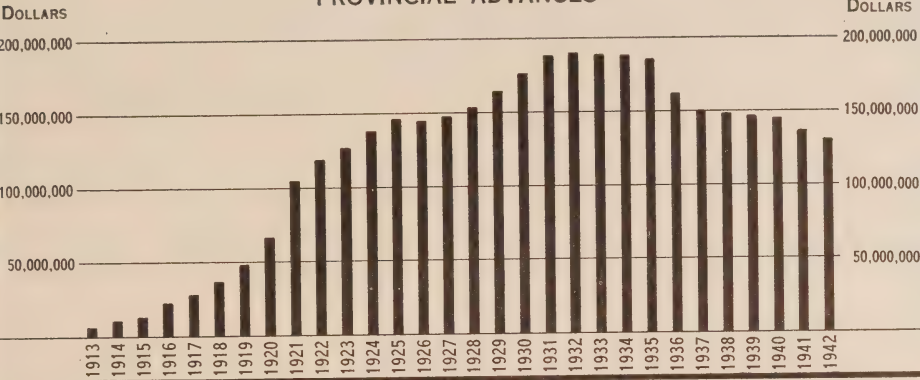
### Northern Ontario Properties

In addition to its operations on behalf of the partner municipalities, the Commission, under an agreement with the Province, holds and operates the Northern Ontario Properties in trust for the Province. For the purposes of financial administration these properties are treated as one unit. The Northern Ontario Properties lie in the portion of the Province north of lake Nipissing and French River areas, exclusive of the territory served by the Thunder Bay system. The principal areas in this vast territory at present receiving service are the *Abitibi District* comprising the territory served by 25-cycle power from the Abitibi Canyon development, together with a small area in the southern portion of the district of Sudbury in which mining

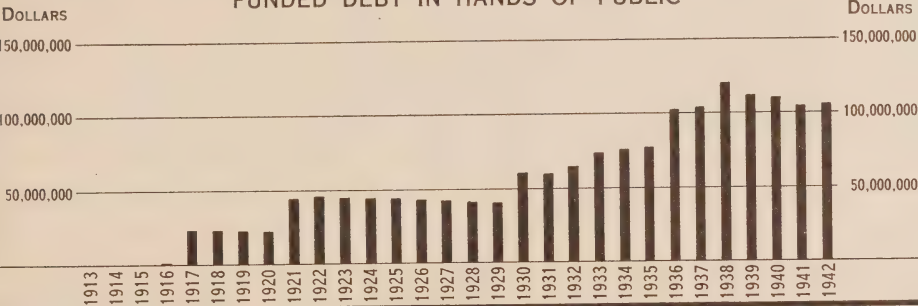
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

PROVINCIAL ADVANCES AND FUNDED DEBT

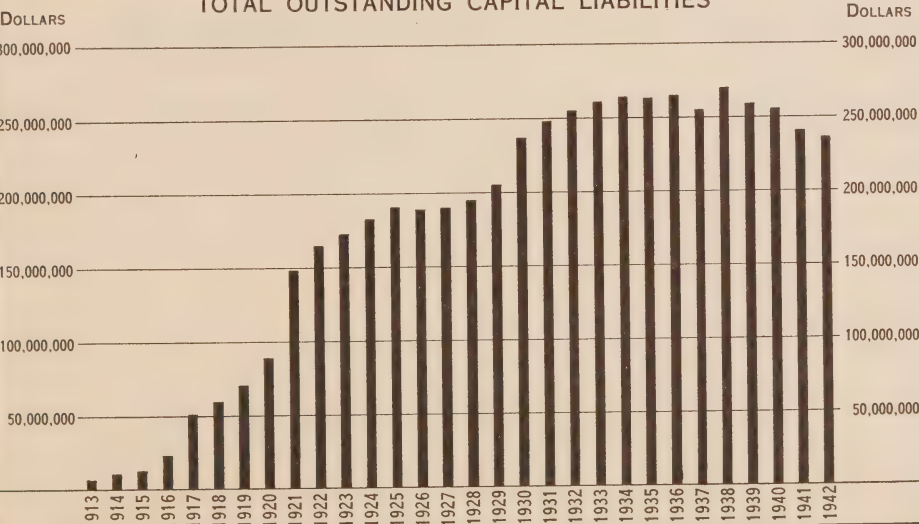
PROVINCIAL ADVANCES



FUNDED DEBT IN HANDS OF PUBLIC



TOTAL OUTSTANDING CAPITAL LIABILITIES



properties are served with 60-cycle power; the *Sudbury District* comprising the city of Sudbury and the adjoining mining area known as Sudbury Basin; the *Nipissing District* centering around the city of North Bay on the shore of lake Nipissing; and the *Patricia District* comprising the territory within transmission distance of the Ear Falls development at the outlet of lac Seul on the English river including the Red Lake mining area, and the territory immediately north of lake St. Joseph in the territorial district of Patricia served with power from a development at Rat Rapids on the Albany river. Included in the Northern Ontario Properties are rural power districts on Manitoulin island, and others adjacent to the communities served in the various districts of northern Ontario.

The geographic boundaries of the various systems and districts are shown on the maps of transmission lines and stations at the back of the Report.

The power supplies for the systems and northern Ontario districts are listed in the first table of Section II of the Report on pages 6 and 7.

### **The Annual Report**

The table of contents, pages xxi and xxii lists the matters dealt with in the Report. At the end of the Report there is a comprehensive index. To those not conversant with the Commission's Reports, the following notes will be useful.

In Section II, pages 4 to 29, dealing with the operations of the systems, are a number of diagrams showing graphically the monthly loads on the several systems and districts. Tables are also presented showing the amounts of power taken by the various municipalities during the past two years.

The rural distribution work of the Commission has proved of widespread interest and special reference to this is made in Section IV on pages 37 to 51.

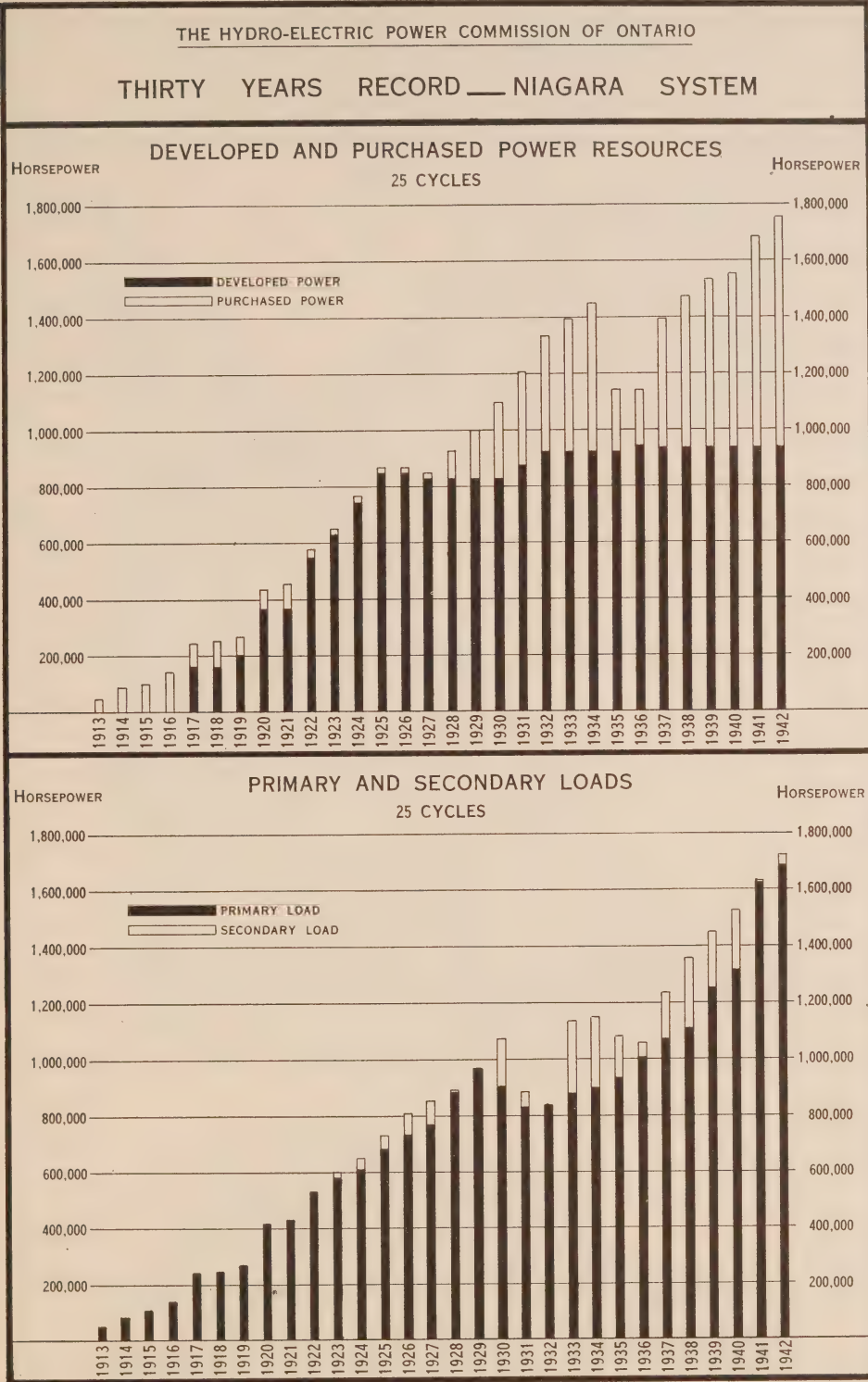
In Sections VI and VII will be found information respecting progress of work on new power developments and on transmission system extensions, together with photographic illustrations.

About one-half of the Report is devoted to financial and other statistical data which are presented in two sections IX and X already referred to above.

Frequent enquiries for the rates for service to consumers are received by the Commission. For the urban municipalities served by the Commission these are given in Statement "E" starting on page 320. For the rural power districts they are given in a table starting on page 46. Certain statistical data resulting from the application of the rates in urban utilities are given in Statement "D". This statement is prefaced by a special introduction starting on page 300.

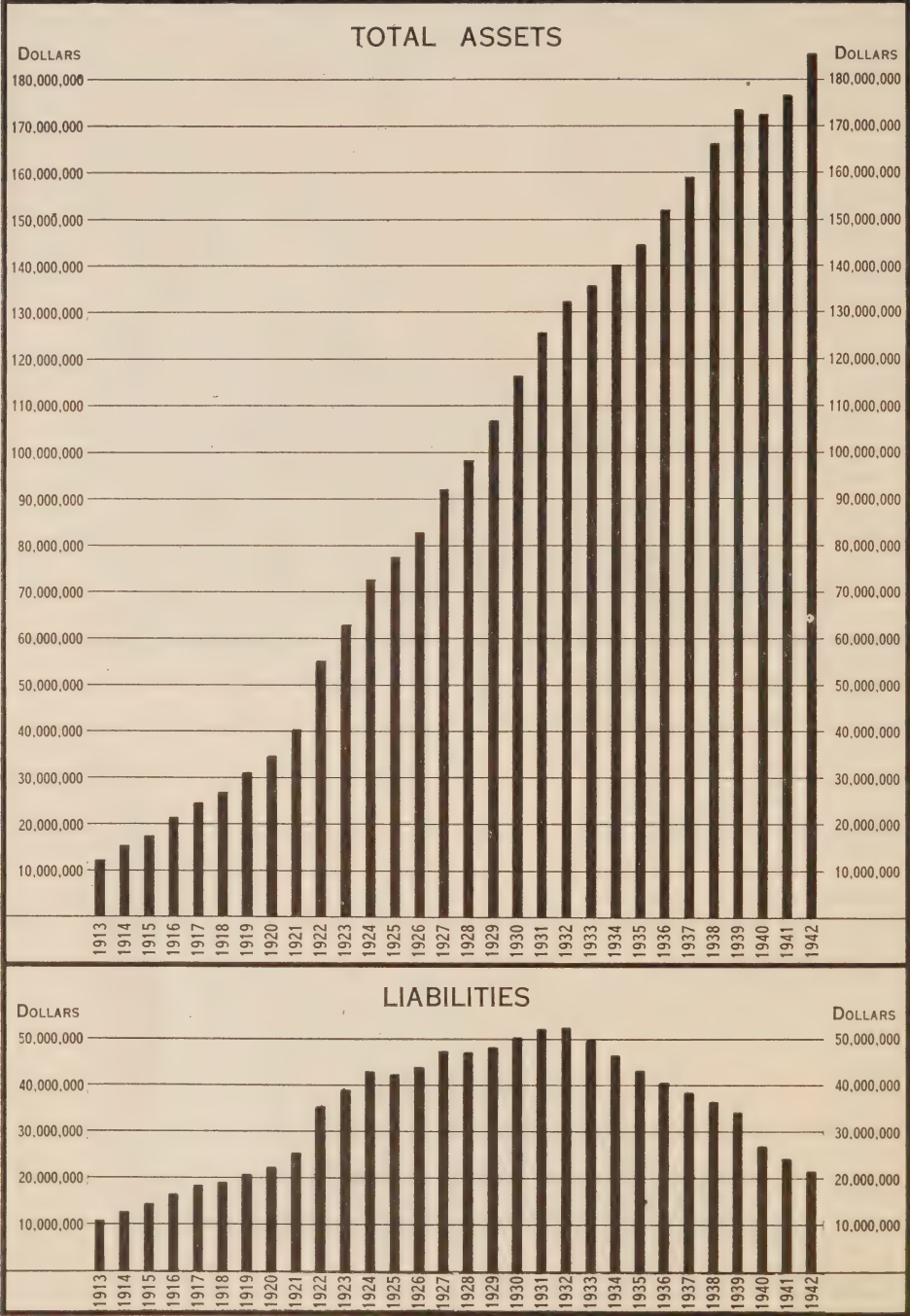
In its Annual Reports the Commission aims to present a comprehensive statement respecting the activities of the whole undertaking under its administration. Explanatory statements are suitably placed throughout the Report. The Commission receives many letters asking for general information respecting its activities, as well as requests for specific information concerning certain phases of its operations. In most cases the enquiries can satisfactorily be answered by simply directing attention to information presented in the Annual Report.





THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

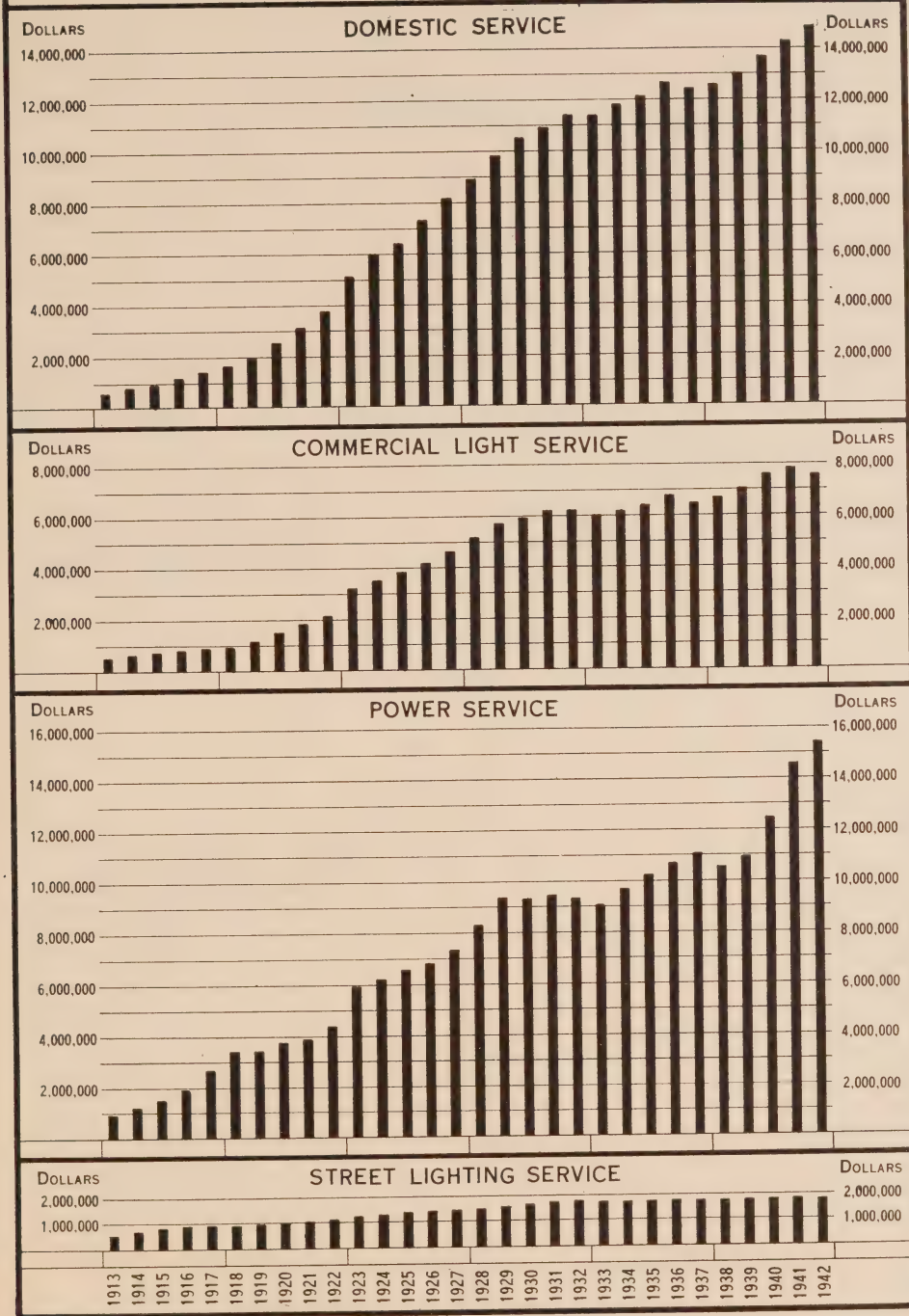
HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES  
THIRTY YEARS RECORD



THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

HYDRO UTILITIES OF CO-OPERATING URBAN MUNICIPALITIES

THIRTY YEARS REVENUES







## SECTION I

### LEGAL

AT the 1942 Session of the Legislative Assembly of the Province of Ontario one Act respecting The Hydro-Electric Power Commission of Ontario was passed. The said Act is reproduced in full in Appendix I of this Report. The short title of the Act is as follows:

The Steep Rock Iron Ore Development Act, 1942, Chapter 35.

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities and corporations mentioned in the list hereunder given were approved by Orders-in-Council.

### CO-OPERATIVE SYSTEMS

#### TOWN

Grimsby.....April 2, 1942

#### CORPORATIONS

British American Oil Co. Ltd.....	Aug. 4, 1942
Building Products Ltd.....	Aug. 1, 1941
Canadian Bridge Engineering Co. Ltd., Canadian Steel Corporation Ltd., and Canadian Bridge Co. Ltd.....	Sept. 28, 1942
Canadian Gypsum Co. Ltd.....	Jan. 1, 1942
Canadian Industries Ltd.....	Nov. 26, 1941
Central Aircraft Ltd.....	July 3, 1942
Defence Industries Ltd.....	May 22, 1942
Dominion Foundries and Steel Co. Ltd.....	Aug. 4, 1942
Dominion Magnesium Ltd.....	June 30, 1942
Gilman, Reginald Trevor.....	Aug. 4, 1942
His Majesty The King, represented by The Minister of National Defence for Air.....	Feb. 3, 1942
National Harbours Board.....	Mar. 2, 1942
National Harbours Board.....	Dec. 10, 1942
Reliance Fluorspar Mining Syndicate Ltd.....	Aug. 4, 1942
St. Mary's Cement Co. Ltd.....	May 11, 1942
Strathcona Paper Co. Ltd.....	July 15, 1942
Sudbury-Copper Cliff Suburban Electric Railway.....	July 1, 1942
Tombill Gold Mines Ltd.....	Mar. 18, 1942
William Kennedy & Sons Ltd.....	May 18, 1942

### NORTHERN ONTARIO PROPERTIES

Canadian National Railway Company.....	Aug. 22, 1942
Ontario Nickel Corporation Limited.....	April 20, 1942

## RIGHT-OF-WAY AND PROPERTY

THE works of the Commission associated with the prosecution of the War necessitated further large expansion of property purchases, easement rights, and settlement of claims.

### Niagara System

The purchase of easement rights and the acquisition of fee of right-of-way required for the recently completed 220,000-volt transmission line from Beaudet near the Ontario-Quebec boundary to Burlington were largely completed; few claims remain unsettled.

The acquisition of property to provide complete ownership and control of both sides of the Welland river from Hog island to Montrose was continued for National Defence purposes. All buildings and structures were removed and disposed of by sale or otherwise, leaving the area cleared for protection of the waterway to the Queenston plant. Sufficient right-of-way was acquired within the city limits of Welland to assure a permanent entrance unaffected by municipal development, for transmission lines to Crowland transformer station and Atlas Steels.

The enlargement of the DeCew Falls development required the purchase of many properties on the storage basin, and along Twelve Mile creek extending from the tail-race through St. Catharines to Port Dalhousie. In order to widen the old Welland Canal, now to be utilized as a waterway for the new development, it was necessary to divert a street in St. Catharines with all its associated services, and to acquire and remove a number of dwellings. In Port Dalhousie, several houses were acquired for a similar purpose.

A large number of private settlements have been effected with respect to properties along the entire channel. The enlarged channel will improve the scenic value of the adjoining land.

Easement rights, and purchase of a right-of-way were completed in Grantham township and St. Catharines for the line entering the new McKinnon transformer station.

The process of renewing original system easement rights which had expired in 1939 was continued, and a number of purchases were made. Properties have been acquired to enlarge the Commission owned right-of-way from Hurontario street, Cooksville, to Toronto.



### Georgian Bay System

There were no major developments in the Georgian Bay system affecting privately owned properties although a number of miscellaneous settlements were made for the extension of existing lines.

### Eastern Ontario System

As a necessary adjunct to the completion of the proposed agreement between the Provinces of Ontario and Quebec respecting the Ottawa river, a detail survey and valuation of all properties which would be affected by a power development at the Carillon site was undertaken, and at the close of the fiscal year was well under way.

The acquisition of easement rights and the purchase of properties for the transmission line from Ranney Falls to Peterborough were completed.

Easement rights were acquired from Bryson, Province of Quebec, for the transmission line supplying the new Magnesium plant close to Haley station, near Renfrew in the township of Ross.

Construction of the Barrett Chute plant on the Madawaska river required the settlement of claims involving a large number of properties along the river. At Bark lake it was necessary to purchase a number of summer residences affected by the proposed raising of water level. In Madawaska village the new water level to be maintained also required the purchase and removal of a number of dwellings. The entire town site vested in the Canadian National Railways was acquired; three churches, two schools, several public buildings, and a large number of residences were removed and relocated.

It was necessary to relocate and construct provincial highway number 60 for several miles, including that portion within the village of Madawaska.

### General

As in the past the study of the assessment on lands held by the Commission was continued and where possible further revisions to conform to the Power Commission Act were arranged. An unusually active year has been completed by the survey section in surveys required for the demarkation of the Commission's properties, and to provide necessary information required by the engineering departments.

Purchases in the recent past have greatly increased the number of properties owned by the Commission. To secure a satisfactory revenue any buildings incidentally acquired have been conditioned to the usual standard maintained by the Commission.

A large number of miscellaneous transformer station sites, easements and other rights have been acquired in all sections of the Province, to care for the constantly expanding activities of the Commission.

## SECTION II

### OPERATION OF THE SYSTEMS

**D**URING the Commission's year which ended on October 31, 1942, there were no major failures of equipment and practically no trouble from ice conditions at any of the generating stations. All transformer stations and transmission lines functioned reliably and satisfactorily, with only minor disturbances due to wind, sleet and electrical storms.

Good water conditions existed until after the spring run-off, but due to subnormal precipitation in some areas, river flow conditions, especially on the Ottawa river, receded to very low levels by late summer. By the end of the fiscal year, fall rains had somewhat improved river flows, and satisfactory levels were being maintained at all storage reservoirs.

#### **Load Conditions, November 1, 1941, to October 31, 1942\***

In the winter of 1941-2 the aggregate peak load supplied by the Commission reached 2,349,824 horsepower. The aggregate primary peak load for all systems and the Northern Ontario Properties was 2,202,612 horsepower in December. This was the highest primary peak load recorded and was 18.1 per cent greater than the corresponding peak of 1,864,487 horsepower of the previous winter.

In every month primary peak loads exceeded those of the corresponding months of the previous year. During the first 10 months of the fiscal year the monthly increase averaged 19 per cent. Part of this increase in primary use resulted from the conversion of a block of some 110,000 horsepower from secondary to primary classification during the year. In October, 1942, the increase dropped to 3.3 per cent, reflecting the effect of mandatory restrictions and the appeal for voluntary curtailment made in September.

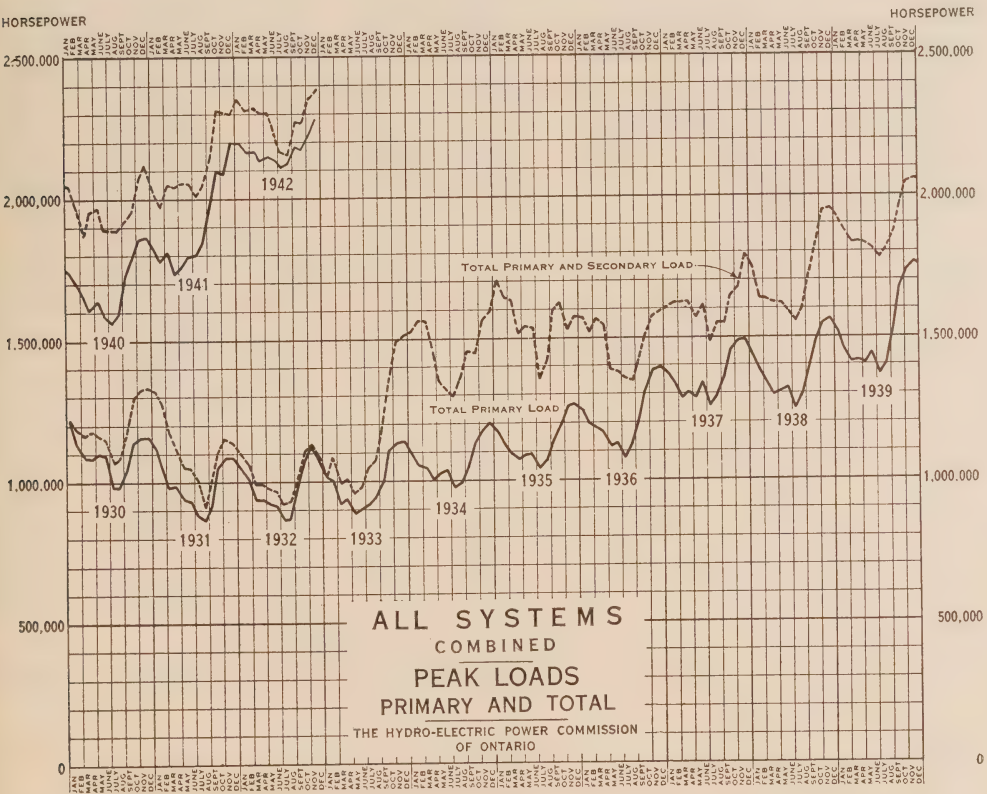
The total energy output during the year was 11,674,049,281 kilowatt-hours, exceeding all previous records and being 11.5 per cent above the preceding year. Energy output for primary power purposes also reached record levels, rising from 8,905,010,142 kilowatt-hours in the previous year to 10,689,922,448 kilowatt-hours, an increase of 20 per cent.

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\* Consult also Chairman's Introduction, page vi.

All of the year's growth occurred in Southern Ontario on the Niagara, Eastern Ontario and Georgian Bay systems where nearly all of the war production plants of the Province are situated. In the areas served by the Northern Ontario Properties, the average output for primary power purposes showed a shrinkage compared with the previous year of 6.3 per cent. This was due chiefly to curtailment of gold mining activities throughout the year.

Details regarding the peak loads of each of the co-operative systems and of the several districts of the Northern Ontario Properties are given in the load curves in this section of the report.



NIAGARA SYSTEM

During the first ten months of the fiscal year before mandatory restrictions and reductions in load resulting from voluntary savings and other causes, the monthly primary peak demands of the Niagara system averaged 24 per cent higher than in the previous year. In October the increase was only 6.3 per cent, a substantial saving.

The total energy output on the Niagara system for primary and secondary power rose to new heights, being 12.2 per cent greater than in the



**TOTAL POWER GENERATED**

**HYDRO-ELECTRIC GENERATING PLANTS**

Generating plants	Maximum normal plant capacity Oct. 31, 1942 horsepower	Peak load during fiscal year		Total output during fiscal year	
		1940-41 horse- power	1941-42 horse- power	1940-41 kilowatt- hours	1941-42 kilowatt- hours
<b>Niagara system</b>					
Queenston-Chippawa—Niagara river. . . . .	500,000	471,850	505,362	2,657,492,000	2,593,597,700
"Ontario Power"—Niagara river. . . . .	180,000	181,635	182,306	1,054,829,000	1,094,741,800
"Toronto Power"—Niagara river. . . . .	150,000	137,399	147,185	504,741,000	816,213,800
Chats Falls (Ontario half)—Ottawa river. . . . .	108,000	113,941	112,601	451,426,150	433,687,150
DeCew Falls—Welland canal. . . . .	50,000	50,000	50,938	196,354,000	187,211,000
<b>Georgian Bay system</b>					
South Falls—South Muskoka river. . . . .	5,600	5,697	5,697	29,068,080	25,213,860
Hanna Chute—South Muskoka river. . . . .	1,600	1,743	1,743	8,755,200	7,322,300
Trethewey Falls—South Muskoka river. . . . .	2,300	2,279	2,346	11,056,800	7,584,000
Ragged Rapids—Musquash river. . . . .	10,000	10,657	10,255	40,602,400	40,002,480
Big Eddy—Musquash river. . . . .	9,500	5,898	10,590	1,022,880	32,954,750
Bala No. 1 and No. 2—Musquash river. . . . .	600	536	570	2,509,600	1,968,400
Big Chute—Severn river. . . . .	5,800	5,845	5,791	28,622,400	28,831,400
Wasdells Falls—Severn river. . . . .	1,200	1,180	1,153	4,560,480	3,945,904
Eugenia Falls—Beaver river. . . . .	7,800	7,668	7,614	19,889,800	29,040,400
Hanover—Saugeen river. . . . .	400	416	395	1,498,272	1,302,960
Walkerton—Saugeen river. . . . .	500	509	489	2,247,900	2,167,300
<b>Eastern Ontario system</b>					
Sidney—Dam No. 2—Trent river. . . . .	4,500	5,127	5,121	22,619,100	23,627,400
Frankford—Dam No. 5—Trent river. . . . .	3,500	3,961	4,243	16,900,700	17,341,850
Sills Island—Dam No. 6—Trent river. . . . .	2,100	1,287	2,232	6,663,280	6,841,600
Meyersburg—Dam No. 8—Trent river. . . . .	7,000	7,741	7,741	36,698,570	36,628,570
Hague's Reach—Dam No. 9—Trent river. . . . .	4,500	5,094	4,899	21,240,540	23,077,850
Ranney Falls—Dam No. 10—Trent river. . . . .	11,500	11,970	12,038	54,918,380	60,219,060
Seymour—Dam. No. 11—Trent river. . . . .	4,200	4,424	4,651	19,727,040	20,185,980
Heely Falls—Dam No. 14—Trent river. . . . .	15,300	15,985	16,086	72,473,200	78,375,620
Auburn—Dam No. 18—Trent river. . . . .	2,400	2,882	2,735	11,299,080	12,311,890
Douro—Lock No. 24—Otonabee river. . . . .	900	1,052	958	422,400	3,029,920
Lakefield—Otonabee river. . . . .	2,300	2,413	2,534	10,367,090	8,849,680
Young's Point—Otonabee river. . . . .	500	590	617	422,300	1,881,180
Fenelon Falls—Dam No. 30—Sturgeon river. . . . .	1,000	891	878	3,714,800	4,386,620
High Falls—Mississippi river. . . . .	3,000	3,385	3,385	10,879,200	12,693,360
Carleton Place—Mississippi river. . . . .	400	335	563	90,410	898,143
Galetta—Mississippi river. . . . .	1,100	1,193	1,200	2,784,000	3,332,100
Calabogie—Madawaska river. . . . .	6,000	6,434	6,434	23,404,330	24,130,380
Barrett Chute—Madawaska river. . . . .	54,000	.....	53,284	.....	9,820,400
<b>Thunder Bay system</b>					
Cameron Falls—Nipigon river. . . . .	73,500	71,381	76,407	287,168,000	367,044,000
Alexander—Nipigon river. . . . .	50,000	52,145	52,815	236,834,400	281,685,200
<b>Northern Ontario Properties</b>					
<b>Abitibi district:</b>					
Abitibi Canyon—Abitibi river. . . . .	240,000	230,965	233,378	1,115,701,300	1,146,380,000
<b>Sudbury district:</b>					
Coniston—Wanapitei river. . . . .	5,900	5,697	5,831	20,083,050	24,127,840
McVittie—Wanapitei river. . . . .	3,100	3,083	3,083	17,781,050	18,612,760
Stinson—Wanapitei river. . . . .	7,500	7,560	7,641	16,590,000	23,937,722
Crystal Falls—Sturgeon river. . . . .	10,000	10,121	10,389	39,287,696	29,792,500
<b>Nipissing district:</b>					
Nipissing—South river. . . . .	2,100	2,172	2,172	7,134,440	6,609,640
Bingham Chute—South river. . . . .	1,200	1,294	1,287	4,286,240	5,328,790
Elliott Chute—South river. . . . .	1,700	1,903	1,857	3,448,000	4,262,350
<b>Patricia district:</b>					
Ear Falls—English river. . . . .	15,000	16,086	13,270	76,731,660	56,702,340
Rat Rapids—Albany river. . . . .	1,800	3,485	2,084	13,788,380	11,250,640
Total generated. . . . .	1,569,300	*	*	7,168,134,598	7,629,150,589

\*Because the peak loads on the various generating plants and purchased power sources usually occur at different times, the sum of the individual peak loads would not represent the sum of the peak loads on the systems. These, in the case of each system, must relate to the maximum load occurring at any one time. Consequently, the columns headed "Peak load" are not totalled.

## AND PURCHASED—ALL SYSTEMS

## POWER PURCHASED

Power source	Contract amount horsepower Oct. 31, 1942	Total purchased	
		1940-41 kilowatt-hours	1941-42 kilowatt-hours
Canadian Niagara Power Co. ....	20,000	95,200,600	98,711,400
Department of Transport (Welland Ship Canal) .	4,950	970,200	21,339,800
Gatineau Power Co.—25 cycle. ....	260,000	1,190,324,700	1,192,020,960
Ottawa Valley Power Co. ....	108,000	451,426,150	433,687,150
Beauharnois Light, Heat and Power Co. ....	250,000	778,780,000	1,056,960,000
MacLaren-Quebec Power Co.—“Main contract” .	125,000	409,275,200	813,009,000
MacLaren-Quebec Power Co.—“War power” . . .	57,500		
Gatineau Power Co.—60-cycle delivery at 110 kv.	60,000	274,820,000	312,227,840
Gatineau Power Co.—60-cycle delivery at 11 kv..	20,000	72,003,600	72,435,600
Gatineau Power Co.—60-cycle delivery at Tread- well. ....	600	462,560	664,800
M. F. Beach Estate. ....	500	2,266,000	3,161,890
Rideau Power Co. ....	400	1,883,500	1,907,200
Campbellford Water and Light Commission. ....	800	5,174,800	4,675,900
Manitoulin Pulp Co. ....	800	1,018,000	1,314,400
Huronian Co. ....	150	397,800	455,200
Pembroke Electric Light Co. Ltd. ....	1,000	2,297,370	2,496,980
Orillia Water, Light and Power Commission. ....	No Contract	896,600	1,498,600
Gananoque Light, Heat and Power Co. ....	“	352,660	531,640
Abitibi Power and Paper Co. ....	“	780,800	2,420,032
Kaministiquia Power Co. ....	“	9,776,480	25,380,300
Total purchased. ....	909,700	3,298,107,020	4,044,898,692

Power purchased, contract amount, 1942. ....	909,700	horsepower
Maximum normal plant capacity, 1942. ....	1,569,300	“
Total available capacity generated and purchased, 1942	2,479,000	“
Total available capacity generated and purchased, 1941	2,364,981	“
Difference (increase). ....	114,019	“
Total energy purchased, 1942. ....	4,044,898,692	kilowatt-hours
Total energy generated, 1942. ....	7,629,150,589	“
Total energy generated and purchased, 1942. ....	11,674,049,281	“
Total energy generated and purchased, 1941. ....	10,466,241,618	“
Difference (increase). ....	1,207,807,663	“

**CAUTION:** The figures for “Maximum normal plant capacity” reflect the capacity of the various plants under the most favourable operating conditions which can reasonably be considered as normal, taking into consideration turbine capacity as well as generator capacity, and also the net operating head and available water supply.

Owing, among other things, to changes in generating equipment due to wear and tear or the replacement of parts, also to changes in limitations governing water levels and effective net heads, the maximum normal plant capacity is not a fixed quantity but is one which must be revised from time to time.

It is particularly important to bear in mind that the column headed “Maximum normal plant capacity” cannot be taken as an indication of the dependable capacity of the various plants: in some cases it is, but in many cases it is not. Chief among the factors which govern the maximum dependable capacity of an hydraulic power plant and which are not reflected in column headed “Maximum normal plant capacity” are abnormal variations in water supply and operating limitations encountered when plants are so situated on a given stream as to be affected by one another.



previous year. The output of energy classed as primary was about 93 per cent of the total energy and exceeded the corresponding output in the previous year by 27.4 per cent. The high percentage increase, both in primary peak loads and in energy output for primary power purposes resulted in part from the conversion of a block of some 110,000 horsepower from secondary to primary classification, as noted above in connection with the total load of the Commission.

On November 27, 1941, the total Canadian diversion on the Niagara river was raised to a limit of 50,000 cubic feet per second. This enabled the Niagara river plants, Queenston, Ontario Power and Toronto Power plants, to operate at approximately 100 per cent load factor and increased the output of these plants from what was available from the diversion under the treaty limits of 36,000 cubic feet per second, by about two and one-half million kilowatt-hours per day.

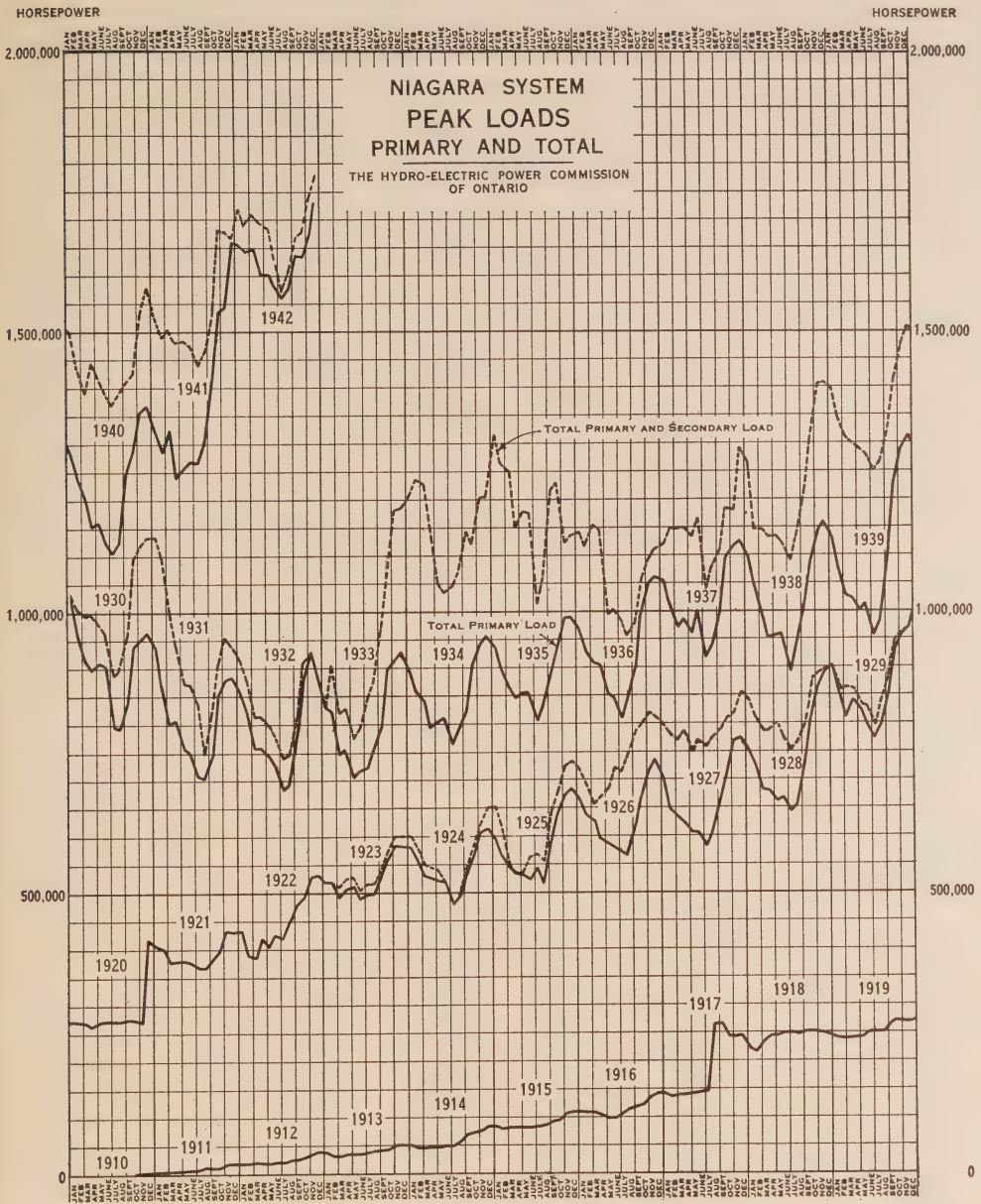
All sources of power supply available to the Niagara system were used to the greatest possible extent. Under a program of water conservation the Commission co-operated with the Quebec power companies in the utilization of any surplus energy that these companies had available. Interchange of power with the Eastern Ontario system and Georgian Bay system has also been made to the mutual advantage of all three southern Ontario systems, the Niagara system supplying shortages of the other two systems over peak load periods and absorbing surplus energy from them at other times, thus utilizing the full available river flows.

At the commencement of the year there was available in purchased contracts a growth reserve of 75,000 horsepower, all of which was called for during the year, although part was scheduled for future delivery. On June 1 and August 1, two blocks of 25,000 horsepower each were called for from the Beauharnois Power Company, completing the full contract delivery of 250,000 horsepower from this company. On September 3, a block of 25,000 horsepower was taken from the MacLaren-Quebec Power Company, making a total delivery from this company, including a temporary supply for the duration of the war, of 182,500 horsepower.

Under an agreement with the Department of Transport the delivery of 4,950 horsepower commenced on November 3, 1941. This power is supplied at 66-2/3 cycles from a plant on the Welland ship canal to the Dominion Power and Transmission division of the Niagara system. Normally, any surplus or shortage on the 66-2/3 cycle, D. P. & T. system can be absorbed or supplied by the Niagara 25-cycle system through the frequency changer set at Niagara Falls. For part of the year this was possible but for about two months, commencing April 6, the set was taken out of service for overhaul, and on August 28 the set failed, necessitating a complete rewinding of the 25-cycle unit of the set, which, at the close of the year, had not been completed.

Service to all customers in the Niagara system was well maintained. On one occasion due to the failure of a reactor at DeCew Falls generating station, the entire power supply at 66-2/3 cycles on the Dominion Power and Transmission division was interrupted for 33 minutes. Otherwise, no serious failure of equipment occurred to cause any prolonged service interruptions. Over a few of the daily peak periods during the winter months of 1941-42, and again early in September, before steps were taken to curtail non-essential uses of power, capacity was insufficient to meet all primary





demands and it was necessary to restrict power delivery to certain war industries for brief periods.

To meet the power requirements of expanding war industries, new transformer stations were installed and the capacity of many existing stations was increased. The most important addition was the Toronto Esplanade station placed in service on March 8 with an initial capacity of 25,000 kv-a, increased to 50,000 kv-a on April 28. On March 28 the capacity of the transformer station at the Atlas Steel Company was increased from 25,000 to 50,000 kv-a.

## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1941-1942

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
Acton.....	1,610.2	1,619.2	.....	9.0
Agincourt.....	233.5	233.5	.....	.....
Ailsa Craig.....	146.9	137.7	9.2	.....
Alvinston.....	109.9	102.4	7.5	.....
Amherstburg.....	1,092.2	871.8	220.4	.....
Ancaster Township—Voted Area.....	411.6	398.0	13.6	.....
Arkona.....	71.2	73.0	.....	1.8
Aurora.....	1,389.0	1,356.7	32.3	.....
Aylmer.....	862.1	954.3	.....	92.2
Ayr.....	280.6	265.9	14.7	.....
Baden.....	472.0	546.1	.....	74.1
Beachville.....	655.2	718.7	.....	63.5
Beamsville.....	475.5	434.3	41.2	.....
Belle River.....	200.0	203.5	.....	3.5
Blenheim.....	639.9	513.9	126.0	.....
Blyth.....	147.8	154.0	.....	6.2
Bolton.....	221.2	217.3	3.9	.....
Bothwell.....	167.2	124.5	42.7	.....
Brampton.....	3,183.3	2,997.0	186.3	.....
Brantford.....	20,095.7	21,491.0	.....	1,395.3
Brantford Township—Voted Area.....	1,177.7	1,089.0	88.7	.....
Bridgeport.....	166.5	169.9	.....	3.4
Brigden.....	89.5	87.7	1.8	.....
Bronte.....	265.4	187.1	78.3	.....
Brussels.....	170.2	151.5	18.7	.....
Burford.....	249.5	281.9	.....	32.4
Burgessville.....	65.0	53.5	11.5	.....
Burlington.....	1,640.3	1,670.5	.....	30.2
Burlington Beach.....	500.2	503.9	.....	3.7
Caledonia.....	436.2	359.3	76.9	.....
Campbellville.....	43.7	39.7	4.0	.....
Cayuga.....	156.1	126.9	29.2	.....
Chatham.....	7,762.7	6,645.0	1,117.7	.....
Chippawa.....	382.8	345.8	37.0	.....
Clifford.....	112.6	105.6	7.0	.....
Clinton.....	697.3	702.1	.....	4.8
Comber.....	170.6	155.0	15.6	.....
Cottam.....	99.3	78.7	20.6	.....
Courtright.....	55.9	50.3	5.6	.....
Dashwood.....	95.8	111.4	.....	15.6
Delaware.....	87.4	74.3	13.1	.....
Delhi.....	779.9	630.0	149.9	.....
Dorchester.....	143.0	111.8	31.2	.....
Drayton.....	143.4	135.2	8.2	.....
Dresden.....	439.5	440.3	.....	0.8

NOTE: The yearly peak demands of the individual municipal Hydro utilities and also of the rural power districts do not all occur during the same month of the year nor, for any given municipality or rural power district, do they always occur in the same month in successive years; in nearly all cases however the yearly peak occurs during the second half of the calendar year. For this reason a comparison of the peaks occurring during the second half of the year as shown in the tables of this Section shows most satisfactorily the general trend of the local loads.

Due to restrictions and voluntary power savings in the end months of 1942, more and greater decreases of municipal and rural power district loads are recorded than would otherwise have been shown.

## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1941-1942—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
Drumbo.....	122.8	125.1	.....	2.3
Dublin.....	106.0	105.1	0.9	.....
Dundas.....	2,868.0	3,074.7	.....	206.7
Dunnville.....	1,505.8	1,297.7	208.1	.....
Dutton.....	289.7	258.3	31.4	.....
East York Township—Voted Area.....	8,592.7	8,379.2	213.5	.....
Elmira.....	929.6	1,061.5	.....	131.9
Elora.....	498.8	515.4	.....	16.6
Embro.....	131.4	143.7	.....	12.3
Erieau.....	199.5	181.2	18.3	.....
Erie Beach.....	47.4	40.0	7.4	.....
Essex.....	796.7	687.5	159.2	.....
Etobicoke Township—Voted Area.....	7,878.5	7,799.1	79.4	.....
Exeter.....	700.5	773.1	.....	72.6
Fergus.....	1,550.3	1,414.1	136.2	.....
Fonthill.....	206.1	199.2	6.9	.....
Forest.....	562.7	563.3	.....	0.6
Forest Hill.....	7,997.6	7,164.9	832.7	.....
Galt.....	11,445.2	11,869.4	.....	424.2
Georgetown.....	1,810.9	1,729.9	81.0	.....
Glencoe.....	226.4	198.5	27.9	.....
Goderich.....	1,663.7	1,668.6	.....	4.9
Granton.....	80.4	83.0	.....	2.6
Grimsbv.....	786.8	1,040.2	.....	253.4
Guelph.....	11,732.6	11,437.3	295.3	.....
Hagersville.....	1,284.9	1,279.6	5.3	.....
Hamilton.....	159,175.7	158,149.5	1,026.2	.....
Harriston.....	432.9	471.2	.....	38.3
Harrow.....	644.2	624.4	19.8	.....
Hensall.....	238.1	214.9	23.2	.....
Hespeler.....	2,975.0	2,927.4	47.6	.....
Highgate.....	106.0	89.4	16.6	.....
Humberstone.....	557.9	591.5	.....	33.6
Ingersoll.....	3,216.6	3,201.4	15.2	.....
Jarvis.....	243.6	203.7	39.9	.....
Kingsville.....	762.5	591.7	170.8	.....
Kitchener.....	28,308.6	26,597.9	1,710.7	.....
Lambeth.....	173.2	132.0	41.2	.....
La Salle.....	245.0	245.1	.....	0.1
Leamington.....	2,060.7	2,105.0	.....	44.3
Listowel.....	1,482.2	1,556.3	.....	74.1
London.....	44,091.8	38,397.9	5,693.9	.....
London Township—Voted Area.....	672.5	598.7	73.8	.....
Long Branch.....	1,241.7	1,333.8	.....	92.1
Lucan.....	214.1	209.9	4.2	.....
Lynden.....	130.7	115.2	15.5	.....
Markham.....	430.0	400.5	29.5	.....
Merlin.....	120.5	101.7	18.8	.....
Merritton.....	8,405.7	9,796.6	.....	1,390.9
Milton.....	1,551.4	1,398.6	152.8	.....



## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1941-1942—Continued

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
Milverton.....	368.2	388.5	.....	20.3
Mimico.....	2,744.0	2,540.2	203.8	.....
Mitchell.....	743.3	829.1	.....	85.8
Moorefield.....	40.9	44.5	.....	3.6
Mount Brydges.....	113.8	102.1	11.7	.....
Newbury.....	34.4	31.6	2.8	.....
New Hamburg.....	658.4	674.5	.....	16.1
Newmarket.....	1,931.3	1,954.1	.....	22.8
New Toronto.....	11,248.7	11,818.0	.....	569.3
Niagara Falls.....	11,605.9	10,275.3	1,330.6	.....
Niagara-on-the-Lake.....	1,085.8	1,106.7	.....	20.9
North York Township—Voted Area.....	8,655.6	9,891.1	.....	1,235.5
Norwich.....	460.0	496.5	.....	36.5
Oakville.....	1,203.7	1,128.7	75.0	.....
Oil Springs.....	213.3	189.9	23.4	.....
Otterville.....	125.5	126.3	.....	0.8
Palmerston.....	628.5	613.0	15.5	.....
Paris.....	2,083.1	1,915.2	167.9	.....
Parkhill.....	234.4	201.1	33.3	.....
Petrolia.....	1,206.5	1,010.2	196.3	.....
Plattsville.....	140.3	135.2	5.1	.....
Point Edward.....	1,677.6	1,691.0	.....	13.4
Port Colborne.....	2,298.9	2,426.3	.....	127.4
Port Credit.....	922.5	897.4	25.1	.....
Port Dalhousie.....	1,038.3	1,136.2	.....	97.9
Port Dover.....	570.9	536.3	34.6	.....
Port Rowan.....	118.3	100.7	17.6	.....
Port Stanley.....	1,121.2	1,204.3	.....	83.1
Preston.....	3,961.0	4,149.2	.....	188.2
Princeton.....	150.0	136.3	13.7	.....
Queenston.....	164.3	165.0	.....	0.7
Richmond Hill.....	513.4	501.3	12.1	.....
Ridgetown.....	709.4	607.2	102.2	.....
Riverside.....	1,253.0	1,186.0	67.0	.....
Rockwood.....	130.0	141.0	.....	11.0
Rodney.....	189.9	149.9	40.0	.....
St. Catharines.....	26,757.4	29,072.4	.....	2,315.0
St. Clair Beach.....	122.6	132.0	.....	9.4
St. George.....	163.0	157.9	5.1	.....
St. Jacobs.....	359.2	368.8	.....	9.6
St. Marys.....	1,620.5	1,603.7	16.8	.....
St. Thomas.....	8,495.3	7,612.6	882.7	.....
Sarnia.....	11,880.7	11,087.6	793.1	.....
Scarborough Township—Voted Area.....	4,919.5	4,778.3	141.2	.....
Seaforth.....	799.5	800.1	.....	0.6
Simcoe.....	2,750.7	2,581.2	169.5	.....
Smithville.....	178.6	185.0	.....	6.4
Springfield.....	74.4	70.6	3.8	.....
Stamford Township—Voted Area.....	2,815.0	2,826.8	.....	11.8
Stoney Creek.....	250.1	247.3	2.8	.....

## NIAGARA SYSTEM—LOADS OF MUNICIPALITIES 1941-1942—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
Stouffville.....	304.1	328.4	.....	24.3
Stratford.....	7,976.0	8,234.3	.....	258.3
Strathroy.....	1,503.1	1,600.9	.....	97.8
Streetsville.....	249.0	250.1	.....	1.1
Sutton.....	467.0	454.0	13.0	.....
Swansea.....	3,540.2	3,239.3	300.9	.....
Tavistock.....	697.4	725.2	.....	27.8
Tecumseh.....	603.9	515.7	88.2	.....
Thamesford.....	241.3	241.8	.....	0.5
Thamesville.....	281.5	207.5	74.0	.....
Thedford.....	126.8	133.5	.....	6.7
Thorndale.....	94.4	95.1	.....	0.7
Thorold.....	2,635.3	2,465.2	170.1	.....
Tilbury.....	1,062.3	1,469.9	.....	407.6
Tillsonburg.....	1,558.7	1,248.3	310.4	.....
Toronto.....	381,593.8	356,427.6	25,166.2	.....
Toronto Township—Voted Area.....	2,895.2	3,167.0	.....	271.8
Trafalgar Township—Voted Area No. 1.....	463.1	429.5	33.6	.....
Trafalgar Township—Voted Area No. 2.....	205.3	170.3	35.0	.....
Wallaceburg.....	3,234.6	3,809.9	.....	575.3
Wardsville.....	43.7	37.7	6.0	.....
Waterdown.....	243.4	266.3	.....	22.9
Waterford.....	569.7	489.3	80.4	.....
Waterloo.....	5,288.9	5,817.7	.....	528.8
Watford.....	422.6	403.3	19.3	.....
Welland.....	12,190.0	12,206.4	.....	16.4
Wellesley.....	139.5	144.0	.....	4.5
West Lorne.....	250.1	259.8	.....	9.7
Weston.....	4,765.4	4,835.1	.....	69.7
Wheatley.....	209.8	193.8	16.0	.....
Windsor.....	51,967.8	51,526.6	441.2	.....
Woodbridge.....	683.8	677.5	6.3	.....
Woodstock.....	8,798.6	8,692.7	105.9	.....
Wyoming.....	91.3	77.9	13.4	.....
York Township—Voted Area.....	21,028.1	21,328.4	.....	300.3
Zurich.....	141.1	154.5	.....	13.4

## NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1941-1942

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
Aylmer.....	1,467.4	1,417.3	50.1	
Baden.....	874.9	896.4		21.5
Beamsville.....	2,336.8	2,269.1	67.7	
Blenheim.....	378.2	322.5	55.7	
Bond Lake.....	1,935.1	2,095.2		160.1
*Bothwell.....	732.3	679.5	52.8	
*Brampton.....	835.8	863.4		27.6
Brant.....	1,984.5	1,997.8		13.3
Brigden.....	149.8	138.9	10.9	
*Burford.....	772.4	661.8	110.6	
Caledonia.....	1,316.9	1,292.2	24.7	
Chatham.....	1,229.8	1,114.4	115.4	
Chippawa.....	207.9	202.7	5.2	
Delaware.....	741.4	706.2	35.2	
Dorchester.....	922.6	945.2		22.6
Dresden.....	219.1	224.5		5.4
Dundas.....	1,306.6	1,324.9		18.3
Dunnville.....	573.4	549.8	23.6	
Dutton.....	219.0	227.4		8.4
*Elmira.....	429.9	439.9		10.0
*Essex.....	879.3	809.8	69.5	
Exeter.....	1,118.6	1,348.8		230.2
*Forest.....	356.5	558.8		202.3
Galt.....	491.1	491.9		0.8
*Goderich.....	1,008.9	977.3	31.6	
Guelph.....	930.3	977.6		47.3
Haldimand.....	1,589.2	1,669.8		80.6
*Harrow.....	1,325.6	1,176.1	149.5	
Ingersoll.....	1,511.9	1,608.6		96.7
*Keswick.....	858.9	702.5	156.4	
Kingsville.....	1,531.1	1,377.2	153.9	
*Listowel.....	1,041.1	993.3	47.8	
London.....	3,275.0	2,959.4	315.6	
*Lucan.....	279.1	234.5	44.6	
Lynden.....	402.3	424.8		22.5
*Markham.....	1,959.6	1,851.1	108.5	
*Merlin.....	769.5	812.9		43.4
*Milton.....	400.5	363.4	37.1	
Mitchell.....	505.0	527.2		22.2
*Niagara.....	2,304.6	2,605.0		300.4

\*In 1942, due in part to war conditions, and in order to effect certain economies in operation and administration, the total number of rural power districts was reduced from 184 to 120. In the Niagara system, by consolidations of districts and parts of districts, the number was reduced from 87 to 64. The new consolidated districts are marked with an asterisk. In these districts, to effect a comparison of loads that would show the general trend, the two months' period, using November and December only, after the new conditions were established, has been used and the corresponding peak load in the same areas for the same months of 1941 has been computed and recorded for comparison.



### NIAGARA SYSTEM—RURAL POWER DISTRICT LOADS—1941-1942—Concluded

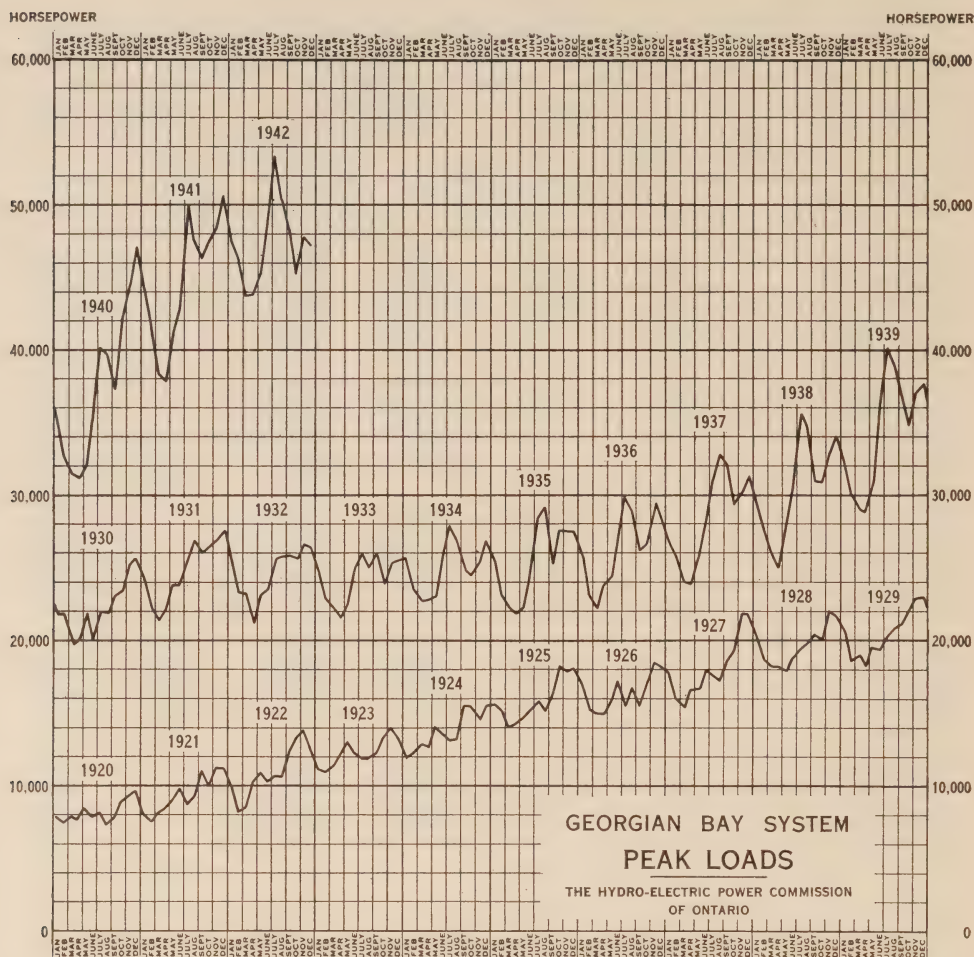
Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
Norwich.....	809.6	828.5	.....	18.9
*Oil Springs.....	364.2	392.3	.....	28.1
Preston.....	1,997.6	2,052.8	.....	55.2
Ridgetown.....	670.5	598.3	72.2	.....
St. Jacobs.....	564.3	561.4	2.9	.....
St. Marys.....	866.7	987.3	.....	120.6
St. Thomas.....	2,501.4	2,597.1	.....	95.7
Saltfleet.....	1,932.9	2,216.4	.....	283.5
Sandwich.....	2,319.5	2,236.0	83.5	.....
Sarnia.....	1,305.8	1,163.9	141.9	.....
Seaforth.....	114.4	127.5	.....	13.1
Simcoe.....	751.9	760.4	.....	8.5
Stratford.....	410.7	434.6	.....	23.9
Strathroy.....	363.3	412.5	.....	49.2
Streetsville.....	721.2	799.2	.....	78.0
Tavistock.....	590.8	589.9	0.9	.....
Tillsonburg.....	980.6	893.2	87.4	.....
Wallaceburg.....	535.9	506.8	29.1	.....
*Walsingham.....	1,583.1	1,463.5	119.6	.....
Walton.....	285.7	237.3	48.4	.....
Waterdown.....	1,798.9	1,811.8	.....	12.9
Welland.....	2,564.9	2,580.6	.....	15.7
Woodbridge.....	1,586.9	1,789.8	.....	202.9
Woodstock.....	1,341.1	1,413.4	.....	72.3

### GEORGIAN BAY SYSTEM

The primary peak load of the Georgian Bay system occurred in July and was 53,282 horsepower, being 6.8 per cent greater than the previous year's peak, which also occurred in July. The total energy output used for primary load was 3.2 per cent greater.

Water storage and river flow on the Georgian Bay system averaged above normal during the year, being somewhat above normal in the winter months of 1941-42 and subnormal in the summer and early fall of 1942. At the close of the year water conditions were again satisfactory.

Hanover frequency-changer station was in constant operation throughout the year, transferring power and energy between the Niagara system and the Georgian Bay system. Assistance was required from the Niagara system over most of the daily peak load periods. In July, August and September, the station was operated at comparatively high load factor to supplement the energy output of the generating stations in the Georgian Bay system during periods of low river flow and also to conserve water for late fall and winter use. During the last week in August, No. 1 set was unavailable for



service due to coil failure. At this time the Mount Forest frequency-changer station was placed in service to assist in the water conservation program, continuing in service until September 26.

From November, 1941 to the following June, surplus energy was available on this system during off-peak periods. Part of this surplus energy was supplied to a war industry and the balance transferred to the Niagara system.

Under a program of water conservation, the Orillia Water, Light and Power Commission's system was tied in with the Georgian Bay system on a number of occasions in September and October. Surplus energy available at the Orillia plants was thus utilized during periods of excess river flow and water wastage was avoided.

On November 1, 1941 the second of the two units at the Big Eddy generating station was placed on commercial load adding about 5,000 horsepower to the resources of this system. The Trethewey Falls plant, of approximately 2,300 horsepower capacity, was removed from service from June 12 to November 21, 1942, to reconstruct the draft tube and make general repairs to equipment.

During the year the transmission voltage of several circuits was raised from 22,000 to 38,000 volts in order to increase the line capacity on the system. The capacity of many distributing stations was also increased to meet growing load demands and a few new distributing stations were added, the most important of which was a 2,000-kv-a station to supply a steel furnace load at Owen Sound.

### GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1941-1942

Municipality	Peak load in horsepower*		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
Alliston.....	402.4	417.1	.....	14.7
Arthur.....	187.0	164.0	23.0	.....
Bala.....	370.0	332.2	37.8	.....
Barrie.....	4,305.6	4,260.1	45.5	.....
Beaverton.....	339.0	376.9	.....	37.9
Beeton.....	142.3	138.5	3.8	.....
Bradford.....	248.6	225.7	22.9	.....
Brechin.....	90.3	80.3	10.0	.....
Cannington.....	221.1	217.5	3.6	.....
Carlsruhe.....	5.0	5.0	.....	.....
Chatsworth.....	103.2	79.6	23.6	.....
Chesley.....	671.1	643.4	27.7	.....
Coldwater.....	152.5	126.7	25.8	.....
Collingwood.....	2,565.2	2,690.4	.....	125.2
Cookstown.....	87.0	88.9	.....	1.9
Creemore.....	160.3	151.9	8.4	.....
Dundalk.....	286.0	275.2	10.8	.....
Durham.....	469.0	407.7	61.3	.....
Elmvale.....	204.7	176.4	28.3	.....
Elmwood.....	78.9	73.1	5.8	.....
Flesherton.....	84.8	52.7	32.1	.....
Grand Valley.....	146.6	138.4	8.2	.....
Gravenhurst.....	1,339.5	1,146.0	193.5	.....
Hanover.....	1,434.8	1,442.0	.....	7.2
Hepworth.....	32.2	14.2	18.0	.....
Holstein.....	24.6	25.1	.....	0.5
Huntsville.....	1,325.7	1,245.1	80.6	.....
Kincardine.....	754.7	847.4	.....	92.7
Kirkfield.....	28.0	26.0	2.0	.....
Lucknow.....	345.8	340.2	5.6	.....
MacTier.....	146.0	145.8	0.2	.....
Markdale.....	203.6	204.2	.....	0.6
Meaford.....	761.1	731.1	30.0	.....
Midland.....	4,197.1	4,760.1	.....	563.0
Mildmay.....	164.3	142.2	22.1	.....
Mount Forest.....	579.5	515.2	64.3	.....
Neustadt.....	44.6	45.0	.....	0.4
Orangeville.....	795.9	789.2	6.7	.....
Owen Sound.....	5,209.4	5,682.2	.....	472.8
Paisley.....	157.5	139.1	18.4	.....

\*Consult note to table of Niagara system municipal loads on page 10.



## GEORGIAN BAY SYSTEM—LOADS OF MUNICIPALITIES—1941-1942—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
Penetanguishene . . . . .	1,002.0	1,060.6		58.6
Port Carling . . . . .	298.9	282.4	16.5	
Port Elgin . . . . .	590.5	666.0		75.5
Port McNicoll . . . . .	99.6	93.4	6.2	
Port Perry . . . . .	340.7	334.8	5.9	
Priceville . . . . .	10.0	10.0		
Ripley . . . . .	106.8	112.9		6.1
Rosseau . . . . .	62.9	49.0	13.9	
Shelburne . . . . .	271.0	257.4	13.6	
Southampton . . . . .	611.7	692.5		80.8
Stayner . . . . .	340.4	314.0	26.4	
Sunderland . . . . .	90.6	75.6	15.0	
Tara . . . . .	122.1	120.6	1.5	
Teeswater . . . . .	170.0	135.3	34.7	
Thornton . . . . .	36.8	34.6	2.2	
Tottenham . . . . .	122.2	95.6	26.6	
Uxbridge . . . . .	386.3	373.6	12.7	
Victoria Harbour . . . . .	121.6	118.3	3.3	
Walkerton . . . . .	975.5	1,001.2		25.7
Waubauskene—Voted Area . . . . .	145.2	139.8	5.4	
Warton . . . . .	363.8	301.2	62.6	
Windermere . . . . .	96.4	94.4	2.0	
Wingham . . . . .	701.8	664.7	37.1	
Woodville . . . . .	105.8	77.0	28.8	

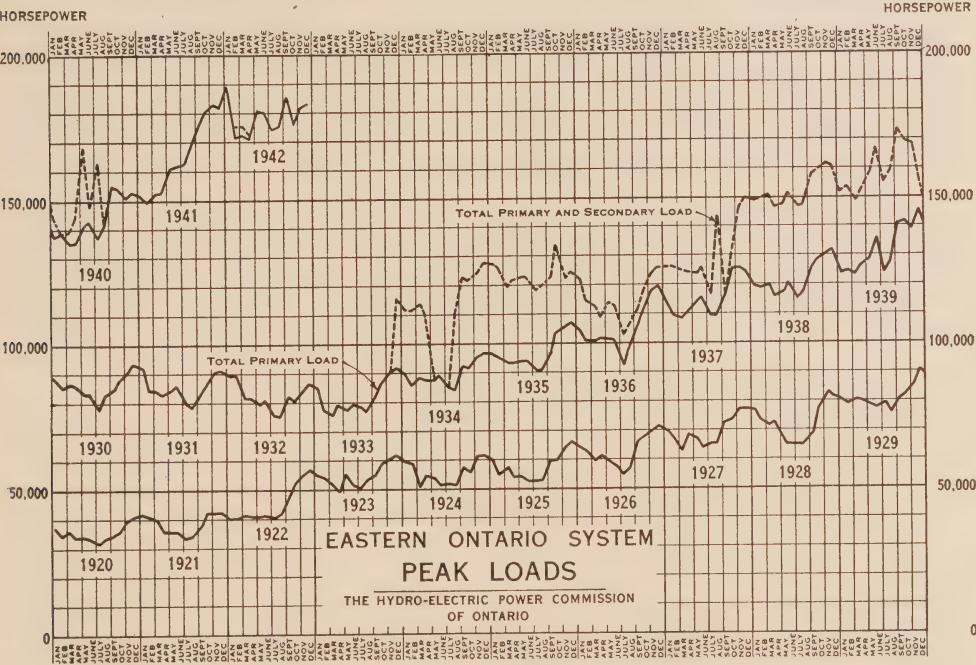
## GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1941-1942

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
*Alliston . . . . .	651.7	604.7	47.0	
Bala . . . . .	734.3	663.8	70.5	
*Barrie . . . . .	543.6	460.0	83.6	
Baysville . . . . .	254.7	254.7		
*Beaumaris . . . . .	103.7	130.2		26.5
Beaverton . . . . .	516.3	451.1	65.2	
*Bruce . . . . .	580.7	557.9	22.8	
*Cannington . . . . .	159.1	140.2	18.9	
*Creemore . . . . .	322.3	320.1	2.2	
Gravenhurst . . . . .	149.4	139.7	9.7	
Hawkestone . . . . .	301.6	305.6		4.0
*Holstein . . . . .	59.2	70.0		10.8
Huntsville . . . . .	452.1	401.0	51.1	
*Midland . . . . .	334.7	285.8	48.9	
Owen Sound . . . . .	209.7	202.6	7.1	

GEORGIAN BAY SYSTEM—RURAL POWER DISTRICT LOADS—1941-1942—  
Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
*Shelburne.....	474.1	467.7	6.4	.....
Sparrow Lake.....	399.2	427.7	.....	28.5
*Tara.....	640.9	613.7	27.2	.....
Utterson.....	279.1	253.0	26.1	.....
*Uxbridge.....	644.5	563.1	81.4	.....
Wasaga Beach.....	1,183.0	1,259.3	.....	76.3
*Wroxeter.....	525.9	517.2	8.7	.....

\*In 1942, due in part to war conditions, and in order to effect certain economies in operation and administration, the total number of rural power districts was reduced from 184 to 120. In the Georgian Bay system, by consolidations of districts and parts of districts, the number was reduced from 48 to 22. The new consolidated districts are marked with an asterisk. In these districts, to effect a comparison of loads that would show the general trend, the two months' period, using November and December only, after the new conditions were established, has been used and the corresponding peak load in the same areas for the same months of 1941 has been computed and recorded for comparison.



EASTERN ONTARIO SYSTEM

The primary peak load of the Eastern Ontario system was 186,177 horsepower and occurred early in September just before mandatory restrictions and the campaign for voluntary savings in power demands were introduced. Nevertheless, this was the largest primary demand ever carried on

this system, exceeding the primary peak load of the previous year by 3.1 per cent. The total energy output used for primary load was 12.1 per cent greater.

The Eastern Ontario system has been operated in conjunction with the Niagara system throughout the year to utilize water available in the most efficient manner. During the major portion of the year, until the Barrett Chute plant became available for service, the Niagara system supplied the peak shortages of the Eastern Ontario system and also energy shortages when stream flow on the Trent and other rivers was low. During the usual good river flow periods surplus energy was available on the Eastern Ontario system. Part of the surplus was supplied to the Howard Smith Paper Company for electric boiler operation and the balance in effect transferred to the Niagara system.

Stream flow conditions on the rivers in the Eastern Ontario system averaged about normal, being well above normal during the first eight months of the year. Compared with the previous year the energy output of the Commission-owned generating stations on the system, excluding the output of Barrett Chute generating station since August 6 when it was first placed on load, was 7.5 per cent greater.

Under a temporary arrangement with the Gatineau Power Company, an additional 15,000 horsepower became available from the Bryson plant of the above company on November 3, 1941. This delivery was withdrawn on May 31, 1942. The first of the two units of the Barrett Chute development was placed on commercial load on August 6 and the second unit on August 25, adding a total of 54,000 horsepower to the resources of the system.

New distributing stations were placed in service at Arnprior and Peta-wawa to serve the Department of National Defence, one substation at Cornwall to serve Defence Industries Limited and a regulating transformer of 1,500 kv-a was installed at Smiths Falls transformer station. Capacities of many of the existing stations were increased to meet growing load demands.

#### EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1941-1942

Municipality	Peak load in horsepower*		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
Alexandria.....	262.3	212.6	49.7	
Apple Hill.....	51.3	54.1		2.8
Arnprior.....	1,124.6	1,193.4		68.8
Athens.....	154.4	137.1	17.3	
Bath.....	49.7	51.6		1.9
Belleville.....	7,052.7	7,561.4		508.7
Bloomfield.....	153.3	158.8		5.5
Bowmanville.....	2,968.8	2,752.3	216.5	
Braeside.....	381.4	351.6	29.8	
Brighton.....	416.7	402.3	14.4	

\*Consult note to table of Niagara system municipal loads on page 10.



## EASTERN ONTARIO SYSTEM—LOADS OF MUNICIPALITIES—1941-1942—Concluded

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
Brockville.....	4,802.9	4,815.0	.....	12.1
Cardinal.....	354.7	376.5	.....	21.8
Carleton Place.....	1,989.1	1,924.2	64.9	.....
Chesterville.....	326.5	292.8	33.7	.....
Cobden.....	92.8	90.6	2.2	.....
Cobourg.....	2,383.6	2,496.9	.....	113.3
Colborne.....	241.8	205.1	36.7	.....
Deseronto.....	191.8	205.6	.....	13.8
Finch.....	112.4	98.1	14.3	.....
Frankford.....	167.2	163.4	3.8	.....
Hastings.....	118.6	105.7	12.9	.....
Havelock.....	156.0	144.0	12.0	.....
Iroquois.....	309.6	260.3	49.3	.....
Kemptville.....	441.7	344.4	97.3	.....
Kingston.....	13,779.3	13,221.2	558.1	.....
Lakefield.....	357.9	353.5	4.4	.....
Lanark.....	103.1	83.4	19.7	.....
Lancaster.....	56.1	54.1	2.0	.....
Lindsay.....	3,810.6	3,859.9	.....	49.3
Madoc.....	210.5	193.3	17.2	.....
Marmora.....	155.2	136.3	18.9	.....
Martintown.....	42.9	34.4	8.5	.....
Maxville.....	119.6	111.3	8.3	.....
Millbrook.....	96.7	85.1	11.6	.....
Morrisburg.....	328.3	286.9	41.4	.....
Napanee.....	1,539.0	1,442.4	96.6	.....
Newburgh.....	53.3	43.3	10.0	.....
Newcastle.....	223.3	220.1	3.2	.....
Norwood.....	168.7	139.3	29.4	.....
Omeme.....	248.4	155.1	93.3	.....
Orono.....	102.3	91.5	10.8	.....
Oshawa.....	20,053.3	16,789.4	3,263.9	.....
Ottawa.....	35,107.2	35,419.0	.....	311.8
Perth.....	1,787.5	1,737.3	50.2	.....
Peterborough.....	12,773.7	12,189.5	584.2	.....
Picton.....	1,277.2	1,209.6	67.6	.....
Port Hope.....	2,500.7	2,483.8	16.9	.....
Prescott.....	1,272.8	1,474.5	.....	201.7
Richmond.....	74.8	89.9	.....	15.1
Russell.....	76.2	64.8	11.4	.....
Smiths Falls.....	2,833.1	2,785.1	48.0	.....
Stirling.....	314.7	298.1	16.6	.....
Trenton.....	5,034.8	5,230.8	.....	196.0
Tweed.....	266.2	262.4	3.8	.....
Warkworth.....	86.1	73.2	12.9	.....
Wellington.....	244.0	279.9	.....	35.9
Westport.....	105.9	103.2	2.7	.....
Whitby.....	1,548.8	1,572.1	.....	23.3
Williamsburg.....	149.7	103.3	46.4	.....
Winchester.....	381.4	373.2	8.2	.....

## EASTERN ONTARIO SYSTEM—RURAL POWER DISTRICT LOADS—1941-1942

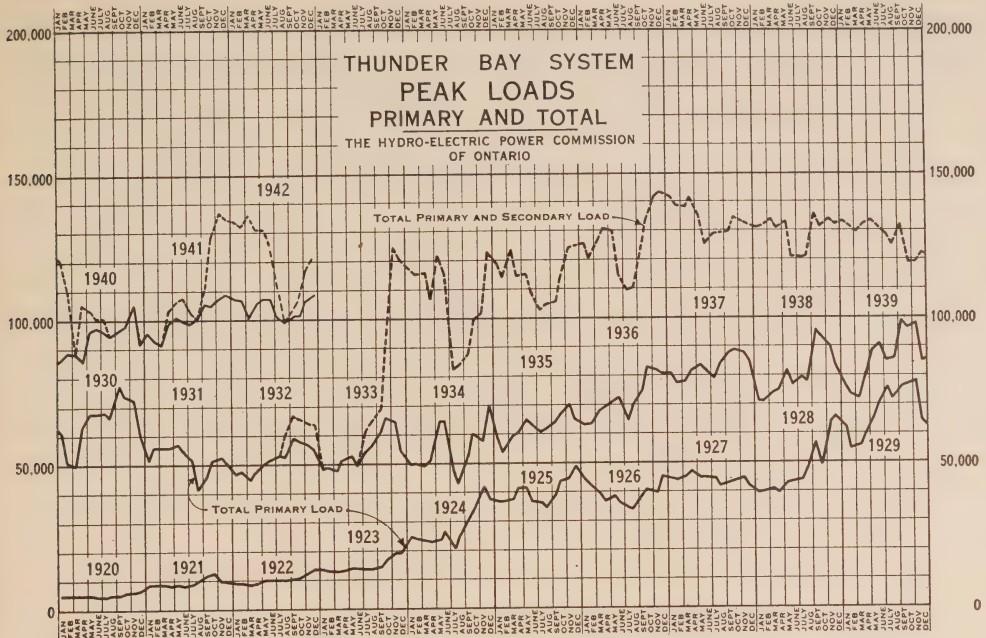
Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
*Arnprior .....	469.9	428.2	41.7	.....
Belleville .....	848.1	902.5	.....	54.4
*Bowmanville .....	310.8	301.5	9.3	.....
*Brighton .....	91.6	82.0	9.6	.....
*Brockville .....	966.9	879.5	87.4	.....
Carleton Place .....	159.1	183.3	.....	24.2
*Cobourg .....	762.9	629.9	133.0	.....
Fenelon Falls .....	635.3	597.5	37.8	.....
*Frankford .....	635.6	716.1	.....	80.5
Kingston .....	1,620.6	1,532.2	88.4	.....
Lakefield .....	333.9	222.5	111.4	.....
Madoc .....	93.0	93.9	.....	0.9
Marmora .....	10.0	10.0	.....	.....
*Martintown .....	1,001.5	940.8	60.7	.....
Millbrook .....	124.5	111.0	13.5	.....
Minden .....	201.0	174.3	26.7	.....
Napanee .....	590.4	668.7	.....	78.3
Nepean .....	1,857.4	2,104.4	.....	247.0
Norwood .....	91.3	94.6	.....	3.3
Omeme .....	40.0	35.0	5.0	.....
Oshawa .....	1,821.2	1,941.9	.....	120.7
Peterborough .....	1,025.6	1,173.4	.....	147.8
*Renfrew .....	1,171.3	284.2	887.1†	.....
*Smiths Falls .....	536.4	526.0	10.4	.....
Sulphide .....	138.8	138.1	0.7	.....
Wellington .....	1,191.9	1,257.5	.....	65.6
*Winchester .....	1,113.6	1,052.8	60.8	.....

\*In 1942, due in part to war conditions, and in order to effect certain economies in operation and administration, the total number of rural power districts was reduced from 184 to 120. In the Eastern Ontario system, by consolidations of districts and parts of districts, the number was reduced from 42 to 27. The new consolidated districts are marked with an asterisk. In these districts, to effect a comparison of loads that would show the general trend, the two months' period, using November and December only, after the new conditions were established, has been used and the corresponding peak load in the same areas for the same months of 1941 has been computed and recorded for comparison.

†Most of this decrease was due to loss of a load formerly purchased by the Commission for a customer, now being delivered direct.

HORSEPOWER

HORSEPOWER



### THUNDER BAY SYSTEM

The maximum primary demand on the Thunder Bay system occurred in December, 1941, and was 108,633 horsepower. This was 3,000 horsepower or 2.9 per cent greater than the previous year's peak. The total energy output used for primary load was 7.1 per cent greater. As the result of improved water conditions in the lake Nipigon area, surplus energy was available for electric boiler operation at the paper mills up to about the middle of April. For the balance of the year, outflow from lake Nipigon was in general limited to that required to satisfy primary load demands.

The precipitation on the watershed supplying the Nipigon river plants was 28.27 inches, being above normal for this district. The elevation of lake Nipigon on October 31, 1942, was 851.64, as compared with 852.84 the same day in 1941.

Arrangements were continued in 1942, enabling paper companies under the control of the Abitibi Power and Paper Company to transfer power for electric steam boiler operation from the generating plant of the Kaministiquia Power Company, subsidiary of the Abitibi Power and Paper Company, through the Commission's transformers and over the Commission's transmission circuits. During the year 25,380,300 kilowatt-hours were thus transferred to the paper companies, which, with the surplus energy available at the Cameron Falls and Alexander plants, produced a total of 118,878,300 kilowatt-hours for electric boiler operation.

No serious failure to any equipment on this system occurred and service to all customers was well maintained throughout the year.



## THUNDER BAY SYSTEM—LOADS OF MUNICIPALITIES—1941-1942

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
Beardmore Townsite.....	122.9	78.9	44.0	
Fort William.....	16,438.3	17,402.8		964.5
Geraldton Townsite.....	719.4	586.9	132.5	
Nipigon Township—Voted Area.....	217.9	238.6		20.7
*Port Arthur.....	18,851.1	22,425.1		3,574.0

\*For comparison, a two month period, using November and December only, has been made as the loads of Thunder Bay Paper and Provincial Paper Companies were separated from Port Arthur and supplied as direct H-E.P.C. customers as from November 1, 1941.

## THUNDER BAY SYSTEM—RURAL POWER DISTRICT LOADS—1941-1942

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
Nipigon.....	6.0	6.0		
Thunder Bay.....	685.7	708.3		22.6

NORTHERN ONTARIO PROPERTIES**Abitibi District**

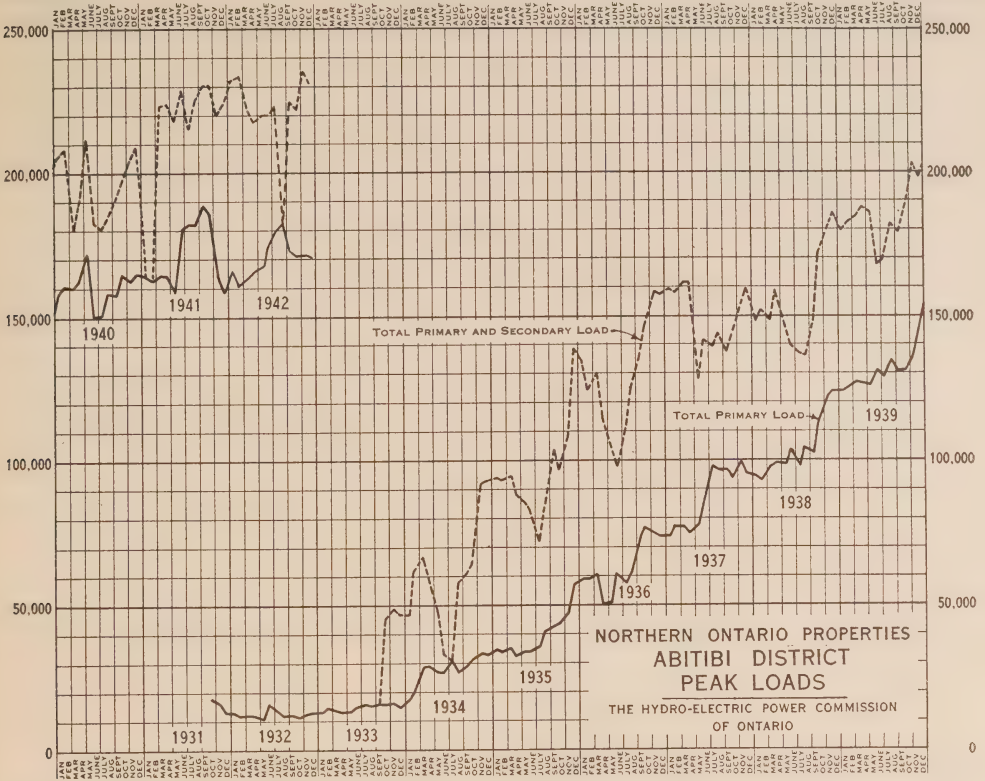
The primary peak demand dropped from 188,740 horsepower in the previous year to 182,708 horsepower. The recession in primary power was mainly attributable to the curtailment in gold mining operations resulting from the November, 1941, miners' strike, from which there was little recovery following the ending of the strike due to the transfer of labor to other fields more essential in the conduct of the war. The transfer of the load of the Noranda Mines in November, 1941, from the Canada Northern Power Corporation, a customer of the Commission, to the Quebec Streams Commission was another contributing factor in the reduction of primary demands in 1942.

Compared with the previous year, demands for primary energy were 6 per cent smaller, but the total energy output in the Abitibi district was 2.7 per cent greater, there being a substantial increase in delivery of surplus energy to the electric boilers at the paper mills of the Abitibi Power and Paper Company.

All storage basins were filled at the commencement of the year and more water was available in November and December, 1941, than could be used

HORSEPOWER

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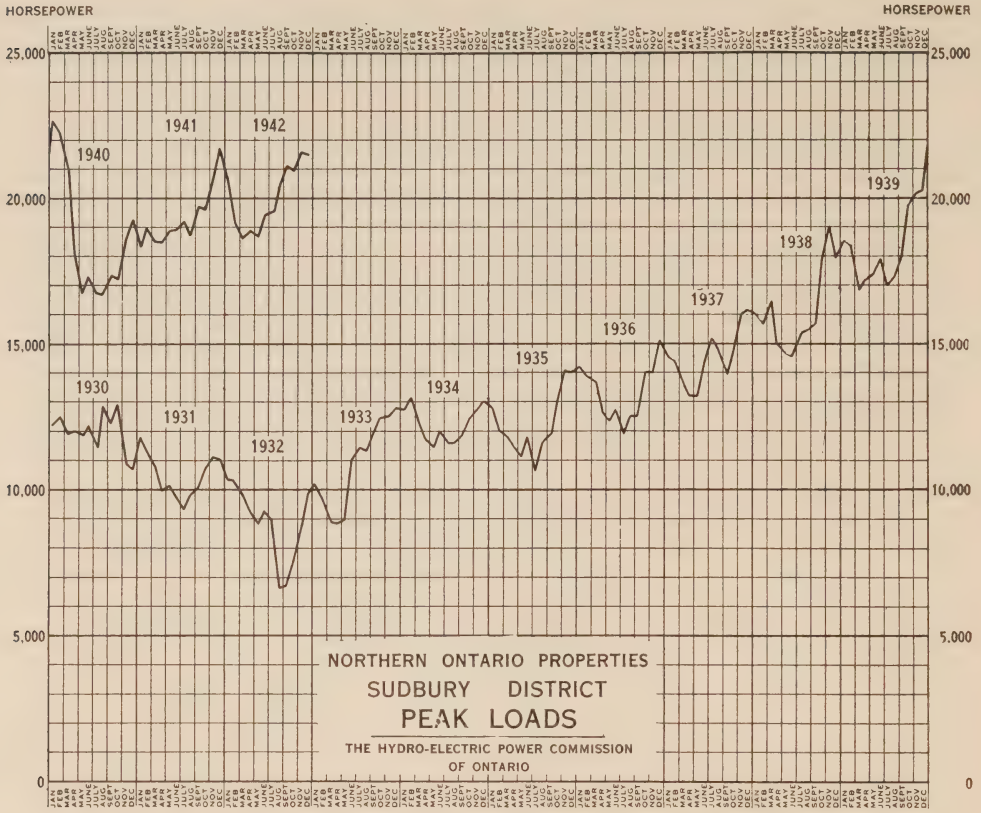


at the Canyon plant. Subnormal precipitation in May and June following the spring run-off caused storage to be depleted to such an extent that in September arrangements were made to purchase power from the Abitibi Power and Paper Company to conserve storage for fall and winter use. However, only a small purchased amount was necessary as heavy precipitation in the latter part of September improved water conditions and the natural run-off for the balance of the year was in excess of what could be utilized at the Canyon plant.

Operation of all stations and transmission lines was satisfactory throughout the year. Work in connection with the transfer of No. 3 unit at the Canyon generating station to the new 25-cycle power development at DeCew Falls was started in the summer and most of the heavier parts of the turbine have been shipped.

### Sudbury District

The Sudbury district primary peak load rose from 19,697 horsepower in the previous year to 21,692 horsepower, an increase of 10.1 per cent. The total energy output used for primary load was 5.2 per cent greater. No secondary power or surplus energy was distributed in this district.



Water conditions in the Sudbury district averaged above normal for the year. Subnormal precipitation in the summer, however, caused storage to be depleted to a point where it became advisable to purchase power as a storage conservation measure. Consequently, commencing August 19 and continuing for the balance of the year, some 1,500 horsepower was purchased from the Abitibi Power and Paper Company's Sturgeon Falls plant. This power was delivered into the Nipissing district which is interconnected with the Sudbury district and thus relieved shortages in both districts.

### Nipissing District

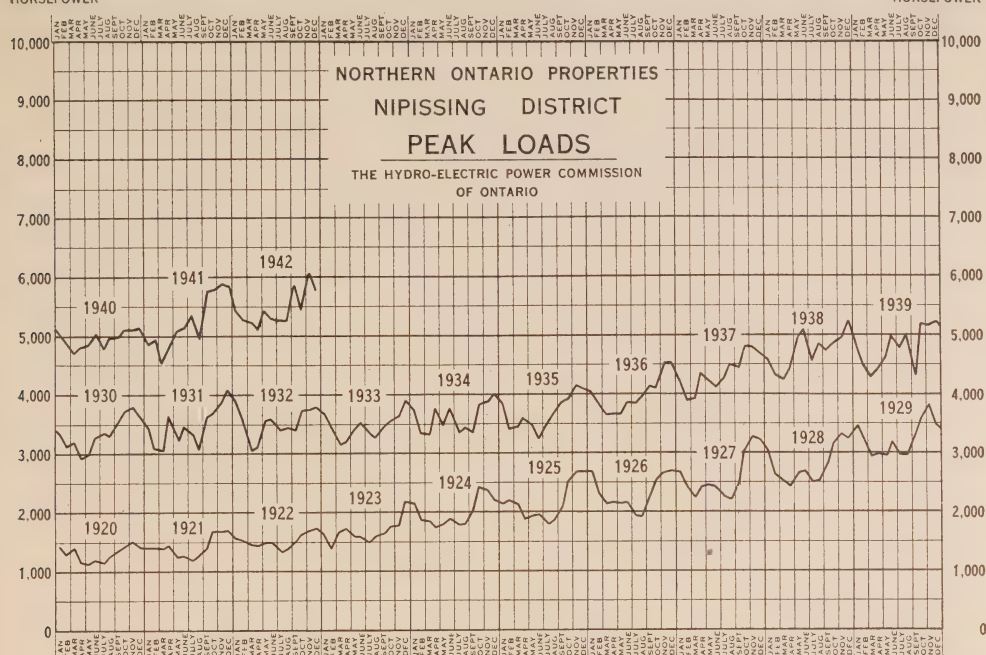
In the Nipissing district the peak load showed little change from the previous year, rising 1.5 per cent from 5,791 to 5,878 horsepower. The energy output however was 7.9 per cent greater. This was all primary load.

Although water conditions averaged above normal for the year, river flows were insufficient to generate the total power requirements in this district. The shortage was supplied by the Sudbury district during the first part of the year and later by power purchased from the Abitibi Power and Paper Company as noted above.



HORSEPOWER

HORSEPOWER



### Manitoulin District

Throughout the year the operation of this district was normal. Generally speaking the average load was greater in 1942 due to the inclusion of the town of Little Current which has been served since the summer of 1941. Chiefly for this reason the energy output was greater by about 29 per cent.

### Patricia District

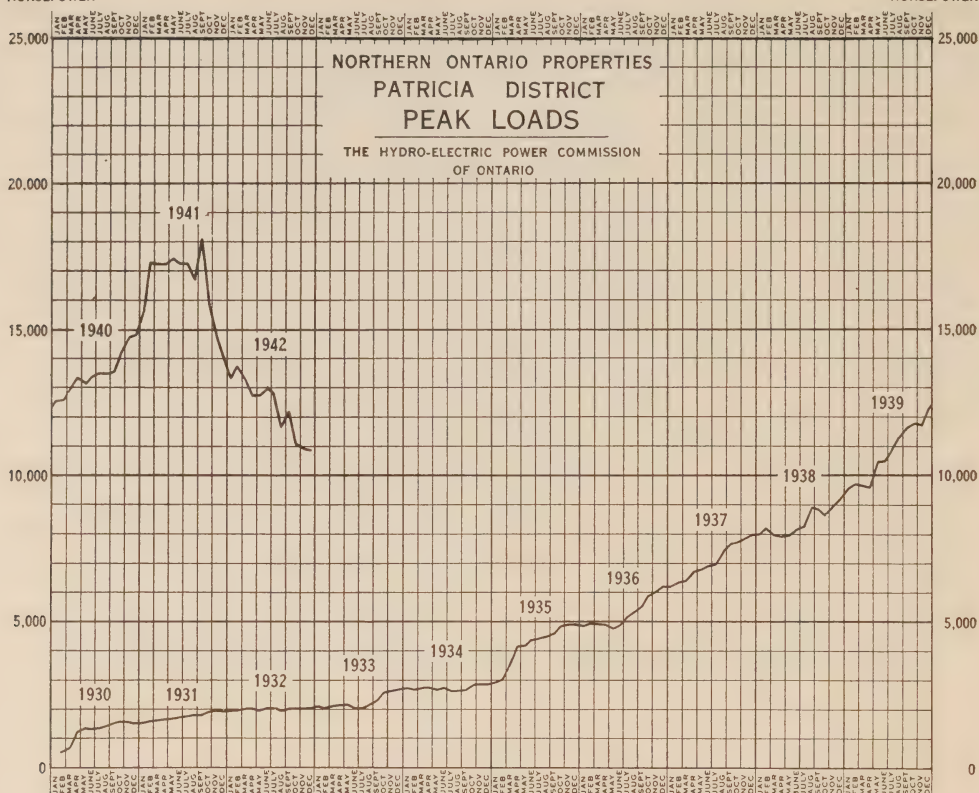
The peak load receded from 18,070 horsepower in the previous year to 14,812 horsepower, a reduction of 18 per cent. The energy output was down 25 per cent. Recessions in mining activities resulting chiefly from the closing down of the Howey Gold Mines and the Gold Eagle Gold Mines account for most of the reduction.

In general the Rat Rapids generating station was operated at capacity throughout the year, while the output of the Ear Falls generating station was governed by district load demands.

Except for a period of about one week, May 28 to June 5, when the Uchi-Crow River 44,000-volt line was out of service due to 25 poles being destroyed by a bush fire, operation of the district was normal during the year. During the outage of the above line, the load of the customers in the St. Joseph area was restricted to the output of the Rat Rapids generating station.

HORSEPOWER

HORSEPOWER



### NORTHERN ONTARIO PROPERTIES—LOADS OF MUNICIPALITIES—1941-1942

Municipality	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
<b>ABITIBI DISTRICT</b>				
Hislop Townsite.....	63.3	45.3	18.0	.....
Kearns Townsite.....	147.2	134.0	13.2	.....
King Kirkland Townsite.....	39.1	27.7	11.4	.....
Matatchewan Townsite.....	246.4	188.3	58.1	.....
Mooretown.....	49.5	43.4	6.1	.....
Ramore-Matheson.....	139.0	129.9	9.1	.....
<b>SUDBURY DISTRICT</b>				
Capreol.....	256.3	228.5	27.8	.....
Sudbury.....	10,030.6	9,865.9	164.7	.....
<b>NIPISSING DISTRICT</b>				
Callander.....	138.5	111.1	27.4	.....
Nipissing.....	3.0	3.0	.....	.....
North Bay.....	4,664.1	4,459.4	204.7	.....
Powassan.....	157.1	131.5	25.6	.....
<b>PATRICIA DISTRICT</b>				
Cottage Cove.....	38.1	57.6	.....	19.5
Hudson.....	93.3	67.1	26.2	.....
Red Lake Distribution.....	209.4	129.9	79.5	.....
Sioux Lookout.....	352.5	328.4	24.1	.....

NORTHERN ONTARIO PROPERTIES—RURAL POWER DISTRICT LOADS—1941-1942

Rural power district	Peak load in horsepower		Change in load	
	July to Dec., 1941	July to Dec., 1942	Decrease	Increase
ABITIBI DISTRICT				
Connaught.....	332.2	398.1	.....	65.9
SUDBURY DISTRICT				
Sudbury.....	639.5	723.6	.....	84.1
NIPISSING DISTRICT				
North Bay.....	580.0	538.8	41.2	.....
Powassan.....	87.9	84.0	3.9	.....
MANITOULIN DISTRICT				
Manitoulin.....	589.0	497.3	91.7	.....

MISCELLANEOUS

Forestry

The Forestry division continued its regular transmission and rural line clearing operations to protect the Commission's plant and service from tree interference.

The year's maintenance operations involved treatment of 101,473 trees and 1,480 pole spans of underbrush spread over 2,685 miles of power transmission telephone and rural distribution lines.

Line clearing operations were performed for sixteen municipal Hydro systems in the Niagara, Georgian Bay and Eastern Ontario systems. This work involved treatment of 5,760 trees spread over 79 miles of local primary and secondary lines. These figures show an increase in the number of municipalities served and the volume of work performed.



## SECTION III

### MUNICIPAL WORK

THE Commission acts in an advisory capacity to the municipalities with which it has contracts, and assists municipal officials to purchase, construct or extend distribution systems. As provided under The Power Commission Act, all rate adjustments are approved by the Commission, therefore, a study of the operating conditions of all utilities is made annually and adjustments recommended.

In rural power districts, the Commission on behalf of the township corporations operates the rural power systems and distributes electrical energy to the customers of the respective corporations in all such rural power districts.

### NIAGARA SYSTEM

Under the terms of contracts entered into during the fiscal year 1938, the Commission took delivery during the year of the following additional amount of power from:

	<i>Horsepower</i>
Beauharnois Light, Heat and Power Company and Coteau Rapids Transmission Company Limited . . . . .	50,000
An amendment to the 1938 agreement with the Maclaren-Quebec Power Company and the James Maclaren Company Limited was completed providing for the delivery of an additional	25,000
Total additional power taken . . . . .	75,000

The total average load sold to all customers, including war industries, showed an increase of 11.2 per cent. Loads in urban municipalities increased by 6.8 per cent and in rural power districts by 6.6 per cent.

The year 1942 was not spectacular in the production of new types of industries, but extensions of Hydro facilities were made to serve the following:

1. Electro-chemical and electro-metallurgical industries, on the Welland canal and in the Niagara peninsula.
2. A further expansion of steel production facilities in the Hamilton and Welland areas.
3. Expansion of aircraft plants in the Toronto district and increasing facilities for manufacturing aircraft parts in many municipalities throughout the Province.

4. Bringing into production facilities created in 1940 and 1941 for the manufacture of anti-aircraft and field artillery.

The expansion of these manufacturing plants has brought about a rapid increase in many allied industries, such as the production of coke, steel, non-ferrous alloys, and so forth.

During the previous year, orders were issued by the Metals Controller to conserve especially non-ferrous metals. The number of new services for other than those engaged in war activities had to be rigidly restricted.

It was, however, necessary to supply new services to a substantial number of new houses constructed in the vicinity of munitions plants, to relieve a very severe shortage of workmen's homes.

Early in 1942 it became evident that with the increasing use of electrical energy for war purposes, certain sections of the Dominion of Canada would soon be faced with the necessity of curtailment in the use of power, and in September it was necessary for the Dominion Power Controller to introduce measures throughout parts of Quebec and in southern Ontario for the purpose of curtailing the consumption of electrical power for non-essential purposes. The restrictions introduced took the form of eliminating non-essential uses of electric lighting and were largely confined to such uses as store-window lighting, electric signs, outdoor lighting, a percentage of street lighting and many other miscellaneous uses, the result of which, together with an appeal by the Commission and the Dominion Power Controller to the general public to be more frugal, has permitted continuance of our war industries without handicap due to the power situation.

Shortly after Pearl Harbor, which event demonstrated that, for a considerable period of time, there would be a curtailment in the Allied rubber sources, and to assist in the conservation of gasoline, active measures were taken by all departments of the Commission to reduce the mileage of the Commission's transportation facilities to the lowest possible degree commensurate with good operation. In bringing this about, such practices as rural customers reading meters, grouping of trouble calls, et cetera, have resulted in a very gratifying reduction in the miles travelled, which not only conserves the nation's rubber supplies but reduces the consumption of much-needed gasoline.

#### **Engineering Assistance to Municipalities**

General engineering assistance was given to nearly all municipalities of the Niagara system respecting the operation and management of their local Hydro utilities.

Certain municipalities received special engineering advice and assistance respecting matters which are more fully referred to below:

**Amherstburg**—Installation was completed of a carrier current control system for one hundred and eighty-five domestic electric water heaters.

**Aurora**—A Hydro By-law will be submitted to the electors of this municipality early in 1943. Substantial help was given to the town in this connection.

**Brantford Township**—For a number of years the operation of the system, billing, collecting, etc., was handled by the Brantford rural office.

In 1942 the local Commission employed a manager and operating staff and is conducting its own affairs from an office in the Brant building in the city of Brantford.

**Burlington**—The Burlington distribution system, which is operated by the Commission, was changed from 2 phase, 2,300 volts, to 3 phase, 4,000/-2,300 volts. This increased the efficiency of the transmission and permitted more effective use of the present capacity in the Burlington substation.

**Dundas**—The existing equipment, installed in 1911, having become overloaded, a new station is proposed.

**Galt**—The transformer capacity of number one substation was increased by the replacement of a 750-kv-a, three-phase transformer by one of 1,500-kv-a capacity.

The 750-kv-a unit was installed at a point where a supply of power was necessary in order to take care of increased war loads.

**Grimsby**—The municipality of Grimsby purchased the distribution system from The Hydro-Electric Power Commission on January 1, 1942. The Commission continued to operate the system for the municipality during the year.

**Guelph**—Changes were made in the distribution system in order to supply a new power consumer.

**Ingersoll**—Plans are under way to install static condensers to improve the power factor of the loads taken by war industries and save line and step-down transformer capacity.

**Kitchener**—Continuing the additions to the substation equipment commenced in 1941, two new unit-type substations, Numbers 4 and 5, were placed in service. These each have 3,000-kv-a transformer capacity, stepping down from 13,200 to 4,000/2,300 volts.

Approximately one-half mile of 13,200-volt line was built to supply three 500-kv-a transformers serving the group of industries in the eastern section of the city.

**New Toronto**—Changes were made in the system to take care of increased demands of power consumers working on war orders.

**Niagara-on-the-Lake**—An additional transformer was erected at the substation, and the distribution system was remodelled, to take care of extensions in the municipality, and particularly at Camp Niagara.

**North York**—The supply of power to a large plant manufacturing aircraft, received attention.

**Petrolia**—A larger electrically-driven pump was installed in the water-works plant to supply increased demand for water for domestic consumers and a large industrial plant.

**Port Colborne**—Arrangements were completed for the supplying of approximately 1,000 horsepower at 4,000 volts to a local customer.

**Scarborough Township**—The power load having increased in one portion of the township, changes were made in the distribution system, to provide for a new substation of 600-kv-a capacity in the easterly section of the township.

**Thamesford**—A pilot-control system was installed to control the water-heater load.



**Tilbury**—A large munitions plant installed 575-volt, 212-kv-a static condensers to increase the plant efficiency, and reduce demands upon the Utility's distribution line and transformer capacity.

**Windsor**—A new substation, 9,000-kv-a capacity, was placed in service in the easterly part of the city to provide capacity for increased load for the manufacture of munitions. Work is in progress on a new substation of 6,000-kv-a capacity in the westerly part of the city and this will be placed in service during the coming year.

Work was completed on a tie line from the substation (Sandwich substation) in the extreme westerly section of the city to a large industrial plant supplied by a direct line from the Commission's Essex transformer station. This tie line is to transmit temporary power in either direction for emergency and for maintenance purposes.

**Woodstock**—A new bank of three 500-kv-a, 26,400-volt transformers was installed in order to serve the increased war loads.

**York Township**—Increased amounts of power were supplied to a large factory manufacturing munitions.

### GEORGIAN BAY SYSTEM

The Georgian Bay system for the fiscal year 1942 shows substantial load increases for both war operations and for all other classes of service. This system serves the territory included in the counties of Bruce, Grey, Dufferin, Simcoe and Ontario and the district of Muskoka, south and east of the Georgian Bay. No large centres of population exist in this area. The urban districts comprise only one relatively small city, a number of large towns, and many villages. Every urban centre, however, is now receiving service, as well as a large portion of the rural districts. The largest and most important summer resort areas in the Province are situated within the Georgian Bay district and the substantial power demands of these account for the unusual condition of the annual system peak occurring during the summer season.

The war loads on this system include a large explosives plant utilizing some 5,500 horsepower; two shipyards, with a combined load approximating 1,200 horsepower; military training camps and Air Force stations using approximately 3,000 horsepower; an electric smelting steel furnace using approximately 2,000 horsepower, connected during the past year; and various smaller users with a total load approximating 1,200 horsepower, made up of two plants making aeroplane parts, four plants manufacturing small speed boats used for rescue work, submarine chasers and patrol work, an internment camp, a machine shop and a brass foundry which provides almost the entire requirements of bronze propellers for Canada's total shipbuilding effort.

The source of generated power for the system comprises twelve hydro-electric generating plants, having a dependable combined capacity of 43,500 horsepower, plus frequency-changer stations of 14,750 horsepower, obtaining 25-cycle power from the Niagara system and delivering 60-cycle power to the Georgian Bay system. The total combined dependable plant capacity is, therefore, 58,250 horsepower. No new generating plants were added during the year, but the entire transmission system was changed from 22,000 volts to 38,000 volts, requiring various sub-station changes. This increase

in transmission voltage was necessary to provide for reduction in transmission losses and to improve voltage regulation under the steady load-growth conditions which have taken place on this system during the past years.

The average load sold to all customers, including war industries, showed an increase of 5.8 per cent. Loads in municipalities increased by 4.9 per cent and rural power districts by 0.1 per cent.

General engineering assistance was given to all urban municipalities of the Georgian Bay system respecting the operation and management of their local Hydro utilities. Certain municipalities received special assistance respecting matters briefly mentioned below:

**Collingwood**—Plans were prepared for regrouping the municipality's feeder equipment in the substation, and all obsolete equipment was replaced.

**Lucknow**—The primary distribution system was renovated and the voltage increased from 4,000 to 8,000 volts.

**Ripley**—The primary distribution system was renovated and the voltage increased from 4,000 to 8,000 volts.

### EASTERN ONTARIO SYSTEM

The load growth on the Eastern Ontario system continued in accordance with estimates until October 1942 when a very definite drop took place. This decrease amounted to nearly 5 per cent of the September load and was due to restrictions under the Dominion Power Controller's orders which were issued on September 20, and also to the response of the householder to an appeal by this Commission for economy in the use of power. This decrease, together with the fact that the Commission's new generating plant at Barrett Chute on the Madawaska river is now developing approximately 54,000 horsepower, places the Eastern system in a more favourable position to carry the yearly peak load of the system which will occur in November or December of this year.

While the output of the generating stations may be sufficient, the capacity of the Commission's lines and stations presents ever recurring local problems; existing war industries expand beyond all previous expectation in one locality, and in another area new war loads start up where none existed before. This year the Commission constructed nine miles of 110,000-volt line into territory never served before, in order to supply an important war industry, while at the other end of the system in an already heavily loaded district, 15 miles of 44,000-volt line were needed to provide additional capacity for the transmission system. The Commission also constructed some miles of 4,000-volt lines at the request of the Department of Mines and Resources, to assist in the development of Fluorspar Mines. This material is now of pressing importance in the steel and aluminum industries.

Increase in transformer capacity was only undertaken at those points where war loads demanded such increase. In all cases of added transformer and transmission line capacity the present shortage of materials is a serious factor, and before such work was undertaken, the permission of the Metals Controller of Canada was always obtained, according to the regulations laid down.

The total average load sold to all customers, including war industries, increased 10.8 per cent. Loads in municipalities increased 5.2 per cent and in rural power districts by 7.4 per cent.

Engineering assistance was given to municipalities in connection with the operation and management of their local Hydro utilities. Certain municipalities received special engineering advice and assistance regarding matters referred to below:

**Belleville**—The capacity of the municipal station was increased by 750-kv-a.

**Hastings**—Arrangements were concluded with the municipality for a joint superintendent to operate the municipal utility and the surrounding rural district.

**Kingston**—The local distribution system was extended and a new sub-station designed.

**Lindsay**—Plans for handling a large additional load in the Lindsay arsenal were worked out with the co-operation of the local Commission.

**Napanee**—Approval was given for the purchase and renovation of an existing building for use as an office and store-room by the local Commission.

**Trenton**—Installation of a new water-heater control system was made.

**Tweed**—A new building was purchased by the Commission to act as a joint rural and municipal office.

### THUNDER BAY SYSTEM

The Thunder Bay system serves the cities of Port Arthur and Fort William, the rural districts adjacent thereto, and the mining areas at Beardmore and Longlac. Two hydro-electric generating plants on the Nipigon river supply power. In addition to the municipal utilities' requirements, the major portion of the primary power supply on the Thunder Bay system is taken up by three types of industry, all of which are heavy power users, viz: the pulp and paper industry; the grain trade, inclusive of large terminal elevators and storage houses, and the gold mining industry. Although the grain trade and mining operations, and to some extent the pulp and paper industry, have been greatly curtailed, due to war conditions, the pulp and paper industry has shown some improvement in the past year. Improved stream-flow conditions resulted in an increase in the secondary power supplied to the pulp and paper industry for electric-steam generation for process purposes.

Power is purchased from the Kaministiquia Power Company to supplement the available output of the Nipigon river plants of this Commission in supplying the requirements of the Thunder Bay system. Power is used for war purposes in connection with shipbuilding and aeroplane construction.

The total average load sold to all customers increased 5.9 per cent.

Engineering assistance concerning local operating problems was given to the Port Arthur, Fort William and Nipigon village Commissions, and all the operating mines in the district were visited periodically for the purpose of rendering assistance in power supply problems.



### NORTHERN ONTARIO PROPERTIES

The Northern Ontario Properties provide electrical service for that portion of the Province lying north of the French river and west of the Quebec boundary, excluding the area served by the Thunder Bay system. Four districts, Abitibi, Sudbury, Nipissing and Patricia, are served with power, chiefly for mining purposes and for communities dependent upon the mines. The Hydro-Electric Power Commission of Ontario operates these various properties in trust for the Province. The cities of Sudbury and North Bay and the towns of Capreol and Sioux Lookout own and operate their local distribution systems, purchasing power from the Commission at fixed rates. Rural power districts are also served including one on Manitoulin island.

The **Abitibi district** includes the mining areas of Porcupine, Kirkland Lake, Matachewan and Shiningtree and a portion of the Sudbury area. Power is supplied at 25 cycles from a generating plant on the Abitibi river at Abitibi canyon. Most of the output of this plant is delivered to gold mines and two large nickel mines. The average load decreased during the year by 3.7 per cent.

The **Sudbury district** includes the city of Sudbury and adjacent rural areas. Power is supplied from three generating plants on the Wanapitei river and from one plant on the Sturgeon river. Service is supplied at 60 cycles for domestic and commercial purposes in the city of Sudbury, and for mining operations to two large nickel mines. The average load in this district increased by 6.5 per cent.

The **Nipissing district** includes the city of North Bay and adjacent rural areas. Power is supplied from three generating plants on the South river, operated at 60 cycles, and is used almost exclusively for domestic and commercial purposes in urban and rural districts. The average load in this district increased by 4.8 per cent.

The **Patricia district** includes the mining areas of Red Lake, Woman Lake and Pickle Lake. Power is supplied from generating plants at Ear Falls on the English river and at Rat Rapids on the Albany river. Service is supplied at 60 cycles for gold mining purposes, with some power utilized by the pulp and paper industry, and for domestic and commercial purposes in the town of Sioux Lookout. The average load decreased during the year by 16.1 per cent.

The combined average peak demand for the fiscal year 1942 for these four districts was 202,043 horsepower, a reduction of 7,450 horsepower. The reduction was due to mines closing down on account of exhausted ore bodies, or to mines suspending or greatly reducing production due to war conditions. Some of the load reduction was offset by large increases in the demands of the two nickel mines also due to war conditions. The total combined loads of the two nickel companies is almost 100,000 horsepower. The machine shops of the various gold mines are working on Bits and Pieces war work.

Engineering assistance concerning power supply problems was given to the cities and towns served, and the various mining properties were visited by the Commission's engineers for the same purpose.

## SECTION IV

### RURAL ELECTRICAL SERVICE

#### IN ONTARIO

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DURING the year 1942, the Commission was unable to undertake large rural extensions, due to the necessity of conserving construction material for war purposes. Near the end of the previous year most rural construction closed, except where service was required in connection with war industries. However, it was necessary to complete a number of small extensions which had been undertaken in 1941 and in addition a very limited number of extensions were arranged for in 1942, because of war industries.

The land area of the Province of Ontario extends over a vast territory of 363,282 square miles, of which about 35,700 square miles are occupied for agriculture. The total rural population in the area served by The Hydro-Electric Power Commission, or in adjacent areas within transmission distance of the Commission's power supply, is approximately 1,100,000.

There are 120 operating rural power districts, and power is delivered to approximately 135,100 rural consumers, comprising farms and dwellings in various groups. The consumers are situated in 434 organized townships; 23 unorganized townships and 119 police villages, villages and small towns and are served over a network of rural primary lines which aggregate 20,072 miles. In addition to the 457 townships served by rural power districts, 10 townships are served jointly by rural power districts and voted areas.

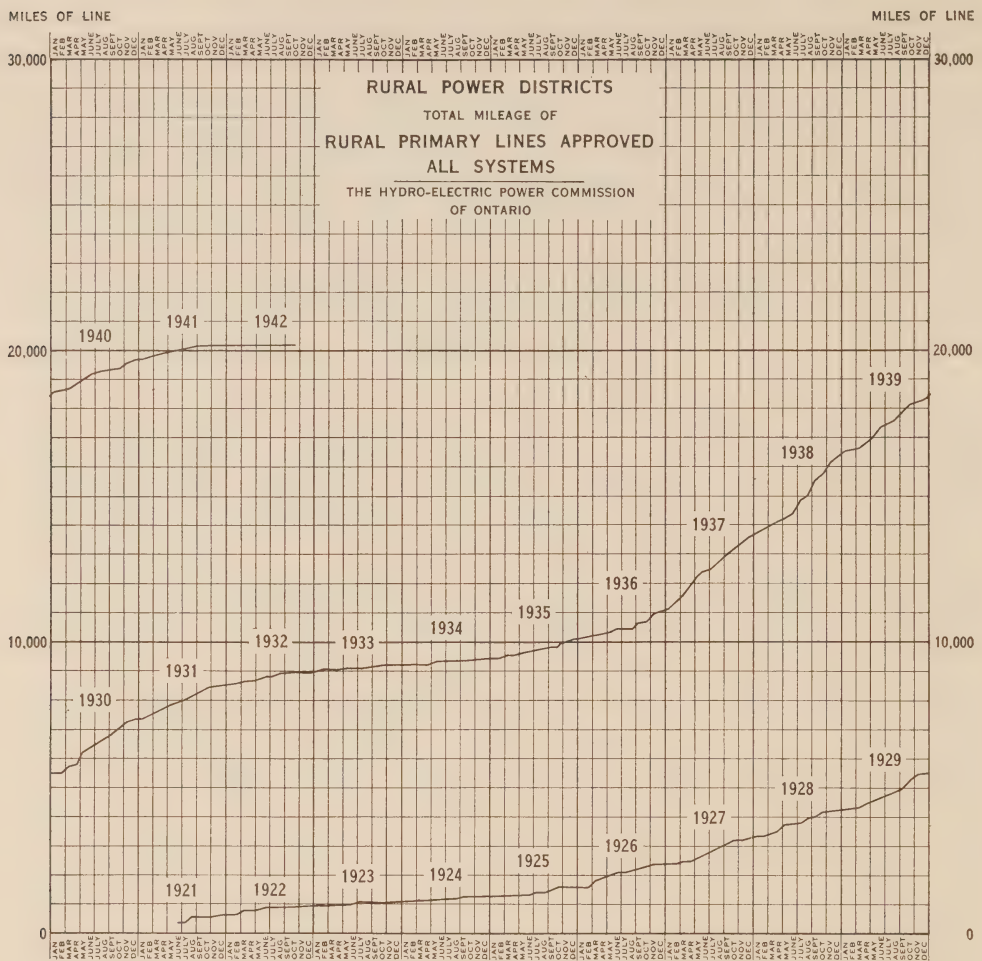
During the past year the mileage of rural line extensions approved for construction in rural power districts in Ontario was 27. In all, 3,942 consumers were added.

The average aggregate peak load\* supplied to all rural Hydro consumers, including war industries in rural areas in the Province, amounted to 86,552 horsepower, an increase of 6.4 per cent over 1941.

The delivery of power was considerably reduced toward the end of the year, due to the curtailment of power as provided by the order of the Dominion Power Controller, and to voluntary economies by consumers. Thus the aggregate peak load for the month of October was reduced from 88,796, established in 1941, to 84,032 in 1942.

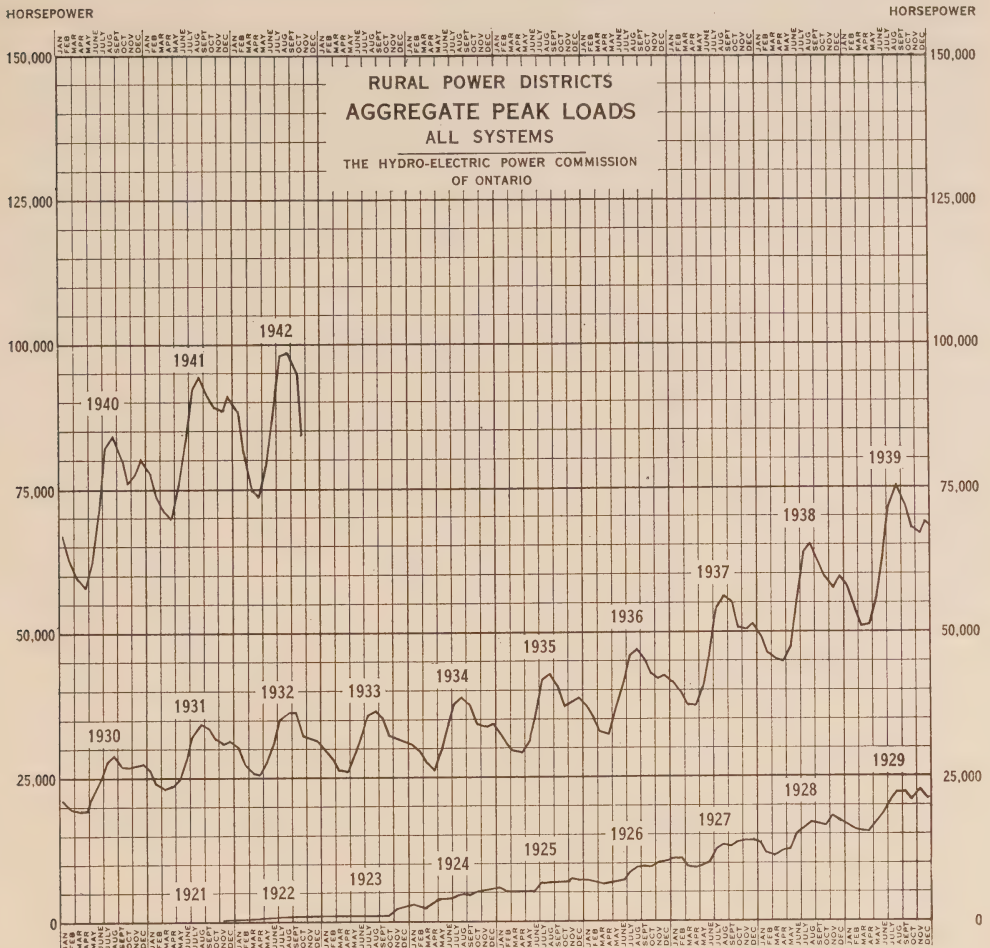
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\*Average aggregate peak load is the summation of the twelve monthly peak loads for each and all rural power districts, divided by twelve.



Census data indicate that there are approximately 200,000 farms in Ontario, varying from one acre to six hundred acres, or larger. It would be erroneous, however, to conclude that hydro-electric service will eventually extend to such a number of farms. Approximately ten per cent of these are very small, and service to them, if available, is supplied by the Commission under rates applicable to non-farm classes. There are also large numbers of farms jointly owned and tenanted, some having no residential buildings on them, and there are also a large number situated in remote districts out of reach of Hydro lines and stations.





During the period that the regulations respecting service to rural consumers required a minimum of three farm contracts per mile of primary line the Commission made surveys in various parts of the Province and estimated that approximately 75,000 standard or large farms would comprise the probable ultimate total of farms that could be served on this basis. Since that time new regulations have been made permitting service on the basis of two farms per mile, which necessarily has increased the number of additional farms that may be served.

Due to war conditions and regulations, the construction of rural primary lines during the coming year will be limited to war industries.

Recent estimates of the major electrical appliances used in rural districts are set out in the following table:

**ELECTRICAL APPLIANCES IN USE AMONG FARM CONSUMERS IN  
RURAL POWER DISTRICTS**

**Data for all systems for the year 1941**

On the farm			In the farm home		
Item	Number of appliances	Percentage of saturation	Item	Number of appliances	Percentage of saturation
Motor.....	11,692	18.9	Range.....	11,781	19.0
Pump.....	9,725	15.7	Hot plate.....	14,111	22.8
Grain grinder.....	4,018	6.5	Washer.....	39,635	63.9
Milking machine.....	3,201	5.2	Vacuum cleaner.....	10,117	16.3
Milk cooler.....	1,473	2.4	Water heater, flat rate.....	2,815	4.5
Cream separator.....	4,915	7.9	Water heater, metered.....	1,380	2.2
Churn.....	646	1.0	Grate.....	525	0.8
Incubator.....	798	1.3	Portable air heater.....	4,848	7.8
Brooder.....	1,329	2.1	Ironer.....	900	1.4
Hot bed.....	63	0.1	Hand irons.....	49,037	79.1
Water heater, flat rate.....	154	0.2	Refrigerator.....	10,375	16.7
Water heater, metered.....	89	0.1	Toaster.....	34,150	55.1
Miscellaneous.....	757	1.2	Radio.....	48,445	78.1
			Furnace blower.....	1,318	2.1
			Pump.....	9,973	16.1
			Miscellaneous.....	2,044	3.3

The following table makes comparison between rural and urban use:

**ELECTRICAL APPLIANCES IN USE IN HOMES OF URBAN AND RURAL  
CONSUMERS—1941**

Electrical appliance	R.P.D. Hamlet		R.P.D. Farm		Urban	
	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation	Number of appliances	Percentage of saturation
Range.....	6,760	13.1	11,781	19.0	172,487	31.0
Hot plate.....	13,043	25.3	14,111	22.8	105,627	18.9
Washer.....	27,423	53.3	39,635	63.9	289,856	52.0
Vacuum cleaner.....	9,056	17.6	10,117	16.3	202,270	36.3
Water heater, flat rate.....	2,239	4.3	2,815	4.5	74,206	13.3
Water heater, metered.....	1,177	2.3	1,380	2.2	66,029	11.8
Grate.....	417	0.8	525	0.8	38,378	6.9
Air heater.....	3,992	7.7	4,848	7.8	159,408	28.6
Ironer.....	877	0.9	900	1.4	18,500	3.3
Iron.....	40,171	78.0	49,037	79.1	528,504	94.9
Refrigerator.....	9,247	18.0	10,375	16.7	127,539	22.9
Toaster.....	28,252	54.9	34,150	55.1	361,897	65.0
Radio.....	39,617	77.0	48,445	78.1	467,536	84.0
Furnace blower.....	1,188	2.3	1,318	2.1	36,848	6.6
Grill.....					55,638	10.0
Pump.....	6,730	13.1	9,973	16.1		
Air conditioner.....					7,597	1.3
Miscellaneous.....	2,221	4.3	2,044	3.3		

**Standard Number of Consumers per Mile**

Effective May 1, 1938, the Commission received authority by Order-in-Council to construct rural primary lines on a basis of two farms per mile under existing rates. This new basis does not include service to summer cottages, which remains on the previous basis of contracts equivalent to three farms per mile. The standard number of consumers required per mile varies according to the class of service rendered. For this purpose a unit rating is allocated to each class of consumer. A total of ten units per mile made up by various classes of consumers is required before construction work is undertaken.

Note: As previously indicated no construction is being undertaken except to or because of war industries.

The following table shows the number of units for each class of service:

Class of consumer	Service	Units per class applicable to number per mile—May 1, 1938			
		A—Regular rural consumers		B—Summer cottage consumers	
		Units per contract	Contracts per mile	Units per contract	Contracts per mile
1B	Hamlet lighting.....	2.25	4.4	1.5	6.7
1C	Hamlet lighting (range).....	3.75	2.7	2.5	4
2A	House lighting.....	1.9	5.3	1.25	8
2B	Small farm service (50 acres or less)...	3.5	2.9	2.35	4.3
3	Light farm service (over 50 acres)...	5	2	3.35	3
4	Medium farm service (single-phase)...	5	2	3.35	3
5	Medium farm service (three-phase)...	5	2	3.35	3
6A	Heavy farm service (single-phase)...	5	2	3.35	3
6B	Heavy farm service (three-phase)....	5	2	3.35	3
7A	Special farm service (single-phase)...	5	2	3.35	3
7B	Special farm service (three-phase)...	5	2	3.35	3

**Cabin Service**

Arrangements were made during 1940 to provide the Commission's rural customers with electric service to cabins at special rates, which call for a service charge of 30 cents gross per cabin per month and five kilowatt-hours extra per cabin per month to be added to the first kilowatt-hour block. The rates are subject to the usual ten per cent discount for prompt payment. This cabin service is supplementary to the regular supply contract and applies to the months of June, July, August and September of each year.

**Maximum Consumption Charge**

The Commission has found that the maximum economic limit of the first domestic use through the rural power districts of the Province is 6 cents



per kilowatt-hour. In all rural power districts the first consumption rate is fixed at a maximum of 6 cents per kilowatt-hour. The second rate has a maximum of 2 cents per kilowatt-hour which applies to all districts.

#### Low Third Consumption Rate for Long-hour Users

In 1934 the Commission made available for rural consumers a special energy rate for long-hour users of power. This low rate particularly affects under-earth heating (hot-beds) and heating of water. Where the extra use of energy may be obtained from the present equipment, a third follow-up rate per kilowatt-hour of 0.75 cents gross is given in all districts. The first rate remains unchanged, except that as pointed out above it is subject to a maximum of 6 cents per kilowatt-hour, and the kilowatt-hours to be charged at the first rate remain unchanged. The number of kilowatt-hours to be charged at the second rate varies both with the class of service and the first kilowatt-hour rate. At the head of the table of rural rates, at the end of this section, is a schedule which shows the class of service, the number of kilowatt-hours per month to be charged for at the first rate, and the number of kilowatt-hours at the second rate according to the governing first rate. The classification of services for rural power districts is given on page 45.

#### Average Cost to Rural Consumers Decreasing

The remarkable benefits obtained by rural communities in regard to the amount charged to them during the period 1928 to 1941 are indicated in the following tables:

#### HAMLET AND HOUSE LIGHTING SERVICE

##### Classes 1B, 1C and 2A

	Annual Revenue	Kilowatt- hours consumed	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consump- tion— kw-hr.
	\$ c.			cents	\$ c	
1928	530,407.00	10,702,031	17,585	4.95	2.51	50.7
1929	663,311.00	14,424,770	21,219	4.60	2.85	62.0
1930	757,558.00	17,815,987	25,013	4.25	2.73	64.2
1931	974,224.17	22,127,474	31,176	4.40	2.88	65.6
1932	1,075,081.03	24,654,386	33,638	4.36	2.76	63.3
1933	1,133,368.70	25,410,470	35,941	4.46	2.70	60.1
1934	1,149,876.67	27,768,460	37,466	4.14	2.61	63.0
1935	1,171,873.28	30,802,290	39,751	3.80	2.53	66.5
1936	1,239,010.83	35,666,241	43,014	3.47	2.49	71.8
1937	1,331,919.46	40,935,040	46,785	3.25	2.47	76.0
1938	1,439,681.39	47,612,820	52,514	3.02	2.42	79.9
1939	1,649,496.29	54,787,544	58,328	3.01	2.36	78.3
1940	1,812,550.33	60,839,240	62,973	2.98	2.40	80.5
1941	1,995,468.46	67,587,082	67,939	2.95	2.45	82.9

\*See footnote to next table.

## FARM SERVICE

## Classes 2B, 3, 4, 5, 6A, 6B, 7A and 7B

Year	Annual revenue	Kilowatt- hours consumed	Number of consumers billed*	Average revenue per kw-hr.	Average monthly bill	Average monthly consump- tion— kw-hrs.
	\$ c.			cents	\$ c	
1928	569,007.00	10,969,828	9,309	5.18	4.97	96
1929	777,736.00	16,022,842	12,605	4.85	5.85	121
1930	863,805.00	20,507,063	16,011	4.21	5.03	119
1931	1,128,554.28	25,716,141	20,796	4.39	5.11	116
1932	1,255,482.13	28,675,400	22,432	4.38	4.84	110
1933	1,309,122.96	30,062,194	23,283	4.35	4.75	109
1934	1,319,922.69	33,312,314	23,882	3.96	4.66	118
1935	1,343,222.39	37,667,453	25,357	3.57	4.55	128
1936	1,385,784.39	45,447,669	28,198	3.05	4.31	141
1937	1,366,484.50	54,858,240	35,508	2.49†	3.57	144†
1938	1,711,788.81	67,886,882	44,565	2.52†	3.56	141†
1939	2,090,259.14	81,613,087	53,240	2.56†	3.56	139†
1940	2,405,092.40	93,859,719	58,728	2.56†	3.41	133†
1941	2,690,250.37	107,061,610	63,304	2.51	3.54	141

\*It may be observed that the number of consumers reported here does not agree with those shown in other sections of the Annual Report of the Commission. This is due to the fact that the figures given here represent consumers actually billed, but do not include power or special contracts, whereas elsewhere in the Report the tables show the number of contracts executed to the end of the fiscal year. In many cases service is not given until the following year.

†In the period 1937 to 1940, there was an increase in the **statistical average** revenue per kilowatt-hour and a decrease in the **statistical average** monthly consumption per consumer. Actually there was a great increase in the use of electricity by nearly all individual Hydro consumers and a corresponding decrease to each consumer in the average cost per kilowatt-hour. But due to the tremendous growth at this time in new consumers, who for the first few years are not equipped to use large quantities of electricity each month, the smaller monthly consumption of the new consumers when averaged with the increased use of the older consumers produced **per consumer** averages which obscured the true trends of individual growth in use and individual reductions in costs.

## Rural Loans

Under The Rural Power District Loans Act, 1930, authority was given to The Hydro-Electric Power Commission of Ontario to finance the installation of wiring and the purchase of specified electrical equipment by rural farm consumers.

Owing to the necessity to conserve funds for war purposes this financing was discontinued on October 31, 1940. Up to that time 1,776 loans had been granted, amounting to \$360,852. Details are as given in previous Annual Reports.

To October 31, 1942, 1,366 loans had been repaid in full, either through the maturing of the loan or by being paid in advance by the borrower.

**RURAL LINE EXTENSIONS APPROVED BY THE COMMISSION DURING  
THE YEAR 1942**

System	Miles of primary line	Net increase in number of consumers			Power supplied in October 1942	Capital approved in extensions	
		Hamlet 1B & 1C	Farm etc.	Total		Total	Provincial grant-in-aid
Niagara.....	10.65	2,055	465	2,520	h.p. 59,725	\$ 324,356	\$ 162,178
Georgian Bay.....	0.38	66	66	132	6,666	4,954	22,118
Eastern Ontario.....	16.41	932	232	1,164	15,177	163,612	81,806
Thunder Bay.....		38	29	67	690	10,350	5,175
Northern Ontario Properties.....		50	9	59	1,774	12,790	6,395
Totals.....	27.44	3,141	801	3,942	84,032	556,062	277,672

**SUMMARY OF RURAL LINE EXTENSIONS**

**As Approved by the Commission from June 1, 1921, to October 31, 1942,  
Constructed or Under Construction**

System	Miles of primary line	Number of consumers			Capital approved for extensions	
		Hamlet 1B & 1C	Farm etc.	Total	Total	Provincial grant-in-aid
Niagara.....	11,756.70	36,025	47,722	83,746	\$ c. 28,819,096.89	\$ c. 14,386,268.44
Georgian Bay.....	3,063.43	10,390	8,249	18,639	6,697,519.95	3,261,509.49
Eastern Ontario.....	4,631.36	13,650	14,210	27,860	10,980,089.31	5,490,044.65
Thunder Bay.....	288.98	505	892	1,397	621,179.00	310,589.50
Northern Ontario Properties.....	331.88	2,734	729	3,463	1,015,550.00	507,775.00
Totals.....	*20,072.35	63,304	71,802	135,106	48,133,435.15†	23,956,187.08†

\*This total includes 6.49 miles of primary line under construction on October 31, 1942, and service to 947 new consumers (mostly Wartime Housing Ltd.) was not completed until after the end of the fiscal year. Construction of 137.70 miles of line, previously approved and subsequently held up due to war conditions, are not included in these totals.

†These totals include \$306,700.00 capital and \$153,350.00 grant-in-aid respectively, for the construction of certain lines, which were approved by the Commission and Provincial Government by Order-in-Council, but held up due to war conditions.

In the rate tables on the following pages are listed the names of the rural power districts operated by the Commission on October 31, 1942. During the year the Commission, for the purpose of more efficient operation, amalgamated, without an increase in rate, a number of districts; this reduced the total number from 184 to 120.



## CLASSIFICATION OF SERVICES FOR RURAL POWER DISTRICTS

When contracts between the consumer and the township have been executed, users of power in townships are supplied with electric service under general classes, according to the requirements and conditions of the individual consumer, as follows:

Class	Service	Class demand kilowatts	Phase	Volts	Fuse rating amperes (maximum)
1B	Hamlet Lighting . . . . .	1.32	1	110	20
1C	" " . . . . .	2	1	220-110	35
2A	" " . . . . .	1.32	1	110	20
2B	Small Farm Service . . . . .	2	1	220-110	35
3	Light Farm Service . . . . .	3	1	220-110	35
4	Medium Farm Service . . . . .	5	1	220-110	50
5	" " " " . . . . .	5	3	220-110	35
6A	Heavy Farm Service . . . . .	9	1	220-110	100
6B	" " " " . . . . .	9	1 and 3	220-110	60
7A	Special Farm Service . . . . .	15	1	220-110	According to load
7B	" " " " . . . . .	15	1 and 3	220-110	According to load

**Class 1:** Hamlet Service—Includes service to customers (other than farm and power users) in hamlets, where four or more consumers are served from one transformer. Service is given under two sub-classes as follows:

**Class 1-B:** Service to residences or stores, including use of portable appliances, and permanently installed appliances not exceeding 1,320 watts.

**Class 1-C:** Service to residences or stores with electric range or ordinary permanently installed appliances greater than 1,320 watts. Where a combination of residence and store can be supplied from one service, the combination is billed as a single Class 1-C consumer. Special or unusual loads will be treated specially.

**Class 2-A:** House Lighting—Includes service to all consumers other than farm and power users that cannot be grouped as in Class 1.

**Class 2-B:** Farm Service, Small—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors not exceeding 2 horsepower and electric range if motors and range are not used simultaneously, on a farm of fifty acres or less.

**Class 3:** Farm Service, Light—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for single-phase motors not exceeding 3 horsepower and electric range if motors and range are not used simultaneously.

**Class 4:** Farm Service, Medium Single-Phase—Includes service for lighting of farm buildings, power for miscellaneous small equipment, and power for single-phase motors up to 5-horsepower demand and electric range if motors and range are not used simultaneously.

**Class 5:** Farm Service, Medium 3-Phase—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for 3-phase motors up to 5-horsepower demand and electric range if motors and range are not used simultaneously.

**Class 6:** Farm Service, Heavy—Includes service for lighting of farm buildings, power for miscellaneous small equipment and power for motors up to 5-horsepower demand and an electric range, or 10-horsepower demand without an electric range. Single- or three-phase service will be given at the discretion of The Hydro-Electric Power Commission of Ontario.

**Class 7:** Farm Service, Special—Includes service for lighting of farm buildings, power for miscellaneous small equipment, power for 3-phase motors from 10- to 20-horsepower demand and electric range. Single- or three-phase service will be given at the discretion of The Hydro-Electric Power Commission of Ontario.

**NOTE:** Classes 2B to 7B are designed primarily to cover the service requirements of farmers. Consumers other than farmers who require a more comprehensive service with greater demand than is provided for in classes 1B, 1C and 2A may obtain this service upon payment of the specified service charge listed in the table of rates.

**Note:** Class 2B is the service usually supplied to farms of fifty acres or less and Class 3 is the service usually supplied to larger farms. More than 90 per cent of new contracts for farm service are in one or other of these classes.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1942

Rural rates																	
Rural power district	Class.....	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Gross consumption charges per kilowatt-hour				Prompt payment discount on gross bill
	Monthly consumption charged for at first energy rate																
	30	30	30	30	42	70	70	126	126	210	210						
	Monthly consumption charged for at second energy rate																
	120	270	120	270	258	430	430	774	774	1290	1290						
	105	240	105	240	228	380	380	684	684	1140	1140						
	75	180	75	180	168	280	280	504	504	840	840						
	60	150	60	150	138	230	230	414	414	690	690						
	45	120	45	120	108	180	180	324	324	540	540						
No. of kw-hrs. per month.....		Maximum gross monthly service charge to summer cottages. Where the rates are below these standards, they are indicated in each instance by †.															
No. of kw-hrs. where first energy rate is	Property number	Miles of line	No. of consumers	Gross monthly service charge to regular consumers													
				\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
				1.11	1.56	1.11	1.56	1.56	1.56	2.50	2.78	2.78	3.33	3.33	3.33	3.33	
NIAGARA SYSTEM																	
				\$ <th>c.</th> <td></td> <td></td> <td>\$<th>c.</th><td></td><td></td><td>\$<th>c.</th><td></td><td></td><td>%</td></td></td>	c.			\$ <th>c.</th> <td></td> <td></td> <td>\$<th>c.</th><td></td><td></td><td>%</td></td>	c.			\$ <th>c.</th> <td></td> <td></td> <td>%</td>	c.			%	
Aylmer.....	N11 D2	283.40	1,736	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Baden.....	N7 D1	147.63	766	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Beamsville.....	N17 D3	261.72	2,228	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Blenheim.....	N14 D3	102.14	656	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Bond Lake.....	N35 D3	214.65	2,436†	1.10	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
				1.10	1.56	1.11	1.56	1.56	1.56	2.50	2.78	2.78	3.33	3.33	3.33	10	
Bothwell.....	N14 D10	258.49	971	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Brampton.....	N13 D2	193.69	825	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Brant.....	N12 D1	205.51	1,251	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Brigden.....	N18 D8	100.85	332	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Burford.....	N12 D2	251.89	1,224	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
				1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Caledonia.....	N2 D5	212.26	1,280	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Chatham.....	N14 D1	234.85	1,571	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Chippawa.....	N1 D7	42.00	307	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Delaware.....	N4 D3	204.07	1,037	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Dorchester.....	N4 D1	155.19	898	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
				1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Dresden.....	N14 D12	112.17	395	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Dundas.....	N2 D1	183.47	1,256	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Dunnville.....	N1 D9	96.23	589	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Dutton.....	N11 D3	116.48	413	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	
Elmira.....	N7 D3	153.44	649	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	10	

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1942—Continued

Rural power district	Rural rates													Gross consumption charges		Prompt payment discount			
	Class		Miles of line	No. of consumers	Gross monthly service charge to regular consumers												First energy rate†	Second rate‡ additional	
	Property number	1B			1C	2A	2B	3*	4	5	6A	6B	7A	7B					
NIAGARA SYSTEM—Continued																			
				\$	¢	\$	¢	\$	¢	\$	¢	\$	¢	\$	¢	cents	cents	%	
Essex.....	N15 D7	235.92	1,624	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75
Exeter.....	N4 D6	148.01	1,137	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	0.75
Forest.....	N18 D6	218.49	888	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	0.75
Galt.....	N6 D2	54.08	547	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	1.5	0.75
Goderich.....	N8 D2	193.95	995	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	0.75
Guelph.....	N5 D3	173.23	1,011	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	1.5	0.75
Haldimand.....	N2 D8	231.38	1,082	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4.5	2	0.75
Harrow.....	N15 D4	192.69	1,932	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.5	2	0.75
Ingersoll.....	N10 D3	244.00	955	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5.5	2	0.75
Keswick.....	N35 D5	190.08	2,269	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75
Kingsville.....	N15 D5	195.12	2,243	1.00	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	2	0.75
Listowel.....	N8 D8	328.91	1,287	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75
London.....	N4 D2	248.02	3,276	0.90	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	1.5	0.75
Lucan.....	N4 D5	169.93	526	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	0.75
Lynden.....	N2 D2	90.01	423	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75
Markham.....	N35 D1	295.49	3,263	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75
Merlin.....	N14 D15	289.72	1,303	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	0.75
Milton.....	N13 D3	126.22	607	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75
Mitchell.....	N8 D7	126.07	593	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4.5	2	0.75
Niagara.....	N1 D1	205.07	2,694	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	1.5	0.75
Norwich.....	N10 D1	172.38	911	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.5	2	0.75
Oil Springs.....	N18 D3	194.71	664	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	0.75
Preston.....	N6 D1	196.20	1,694	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	1.25	0.75
Ridgetown.....	N14 D2	137.00	956	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	4	2	0.75
St. Jacobs.....	N7 D2	104.25	571	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	1.5	0.75

† See heading to first page of table.

‡ Summer cottage rates.



RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1942—Continued

Rural power district	Rural rates														Gross consumption charges		Prompt payment discount	
	Class.....	Miles of line	No. of consumers	Gross monthly service charge to regular consumers														
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B				
Property number	NIAGARA SYSTEM—Continued																	
St. Marys..... St. Thomas..... Saltfleet..... Sandwich..... Sarnia..... Seaforth..... Simcoe..... Stratford..... Strathroy..... Streetsville..... Tavistock..... Tillsonburg..... Wallaceburg..... Walsingham..... Walton..... Waterdown..... Welland..... Woodbridge..... Woodstock.....	N9 D1	217.49	877	\$ 1.11	1.11	1.11	1.11	\$ 1.11	1.11	\$ 1.56	2.50	2.78	2.78	\$ 3.33	3.33	cents	cents	10
	N11 D1	242.54	1,753	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75
	N17 D1	111.26	3,378	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75
	N15 D1	164.20	3,675	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	1.5	0.75
	N18 D4	131.26	2,044	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75
	N8 D10	34.37	197	1.10	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
	N12 D6	149.20	1,010	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
	N8 D4	60.94	338	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75
	N4 D4	168.24	574	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
	N13 D1	135.12	757	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75
	N8 D1	142.54	603	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
	N10 D4	205.38	1,253	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3.5	2	0.75
	N14 D13	195.26	1,177	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75
	N12 D7	458.93	2,545	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75
	N8 D3	106.58	508	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75
	N2 D3	95.96	1,386	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2.5	1	0.75
N1 D5	366.95	4,550	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	
N16 D1	290.94	1,801	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75	
N10 D2	188.48	1,070	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	2	0.75	

Total, Niagara System.....11,756.70 83,747

\*See footnote on page 45.

†Summer cottage rates.

‡See heading to first page of table.

RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1942—Continued

Rural power district	Rural rates																			
	Class.....	Miles of line	No. of consumers	Gross monthly service charge to regular consumers											Gross consumption charges		Prompt payment discount			
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	Rate for additional					
															energy rate†	Second energy rate†				
GEORGIAN BAY SYSTEM																				
Alliston.....	GS32 D1	244.21	2,089	\$ c.	1.11	\$ c.	1.11	\$ c.	1.11	\$ c.	1.56	\$ c.	2.50	\$ c.	2.78	\$ c.	3.33	cents	2	0.75
Bala.....	GB13 D1	108.46	686	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10	
Barrie.....	G24 D1	176.67	1,258	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75	10	
Baysville.....	GM10 D1	75.69	429	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10	
Beaumaris.....	GM7 D1	98.36	676	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10	
Beaverton.....	GW2 D1	61.96	610	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75	10	
Bruce.....	GE19 D1	262.37	1,176	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75	10	
Cannington.....	GW3 D1	85.17	356	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	0.75	10	
Creemore.....	G17 D2	154.16	644	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	0.75	10	
Gravenhurst.....	G34 D1	17.99	106	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	2	0.75	10	
Hawkestone.....	GS9 D1	90.51	523	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	3	1.5	0.75	10
Holstein.....	GE7 D1	46.63	131	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Huntsville.....	GM2 D1	129.28	705	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Midland.....	GS1 D1	207.12	1,451	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Owen Sound.....	GE2 D1	55.93	280	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	5	2	0.75	10
Shelburne.....	GE10 D1	315.28	1,013	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Sparrow Lake.....	GW1 D1	80.76	720	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	4	2	0.75	10
Tara.....	GE15 D1	329.98	1,573	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Utterson.....	GM8 D1	65.25	375	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Uxbridge.....	GW11 D1	224.21	1,408	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Wasaga Beach.....	G17 D1	27.25	1,454	1.00	1.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.5	1.5	.....	10
Wroxeter.....	GE22 D1	206.19	976	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10

Total, Georgian Bay System... 3,063.43      18,639      \*See footnote on page 45.      †Summer cottage rates.      ‡See heading to first page of table.

## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1942—Continued

Rural power district	Rural Rates														Gross consumption charges		Prompt payment discount	
	Class	Miles of line	No. of consumers	Gross monthly service charge to regular consumers											First energy rate†	Second Rate for all additional†		
				1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B				
EASTERN ONTARIO SYSTEM																		
				\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	cents	cents	%	
Armrior.....	QM10	D1	73.03	722	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	10
Belleville.....	QC38	D1	158.42	1,204	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3.5	1.5	10
Bowmanville.....	QC23	D1	137.75	632	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	10
Brighton.....	QC6	D1	45.00	193	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	10
Brockville.....	QL3	D1	271.09	1,779	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	10
Carleton Place.....	QH5	D1	52.72	184	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	10
Cobourg.....	QC13	D1	308.28	1,544	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	10
Fenelon Falls.....	QC30	D1	151.26	1,075	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	10
Frankford.....	QC5	D1	254.94	1,192	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	10
Kingston.....	QC44	D1	318.31	1,927	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	10
Lakefield.....	QC18	D1	113.93	510	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	10
Madoc.....	QC33	D1	62.71	206	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	10
Marmora.....	QC47	D1	10.44	54	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	10
Martintown.....	QL13	D1	424.73	2,042	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	10
Millbrook.....	QC25	D1	54.59	256	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	10
Minden.....	Q37	D1	80.05	469	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	10
Napanee.....	QC43	D1	291.01	1,338	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	10
Nepean.....	QT1	D1	283.94	1,890	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	1.5	10
Norwood.....	QC31	D1	56.83	278	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	6	2	10
Omemee.....	QC26	D1	33.93	92	1.11	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	5	2	10
Oshawa.....	QC24	D1	223.06	3,001	1.00	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	3.33	3.33	3	1.75	10
Peterborough.....	QC20	D1	143.32	1,749	0.63	1.11	0.79	1.11	1.11	1.11	1.56	2.01	2.57	2.78	3.33	4	2	10
Renfrew.....	QM16	D1	82.87	506	0.63	1.11	0.79	1.21	1.11	1.11	1.56	2.01	2.57	2.78	3.33	6	2	10

† Summer cottage rates.

‡ See heading to first page of table.



## RURAL POWER DISTRICTS—MILES OF LINE, NUMBER OF CONSUMERS AND RATES—OCTOBER 31, 1942—Continued

Rural power district	Rural rates															Gross consumption charges		Prompt payment discount
	Class.....	1B	1C	2A	2B	3*	4	5	6A	6B	7A	7B	First energy rate†		Rate for all additional			
													Second energy rate‡					
													Rate for all additional					
Property number	Miles of line	No. of consumers	Gross monthly service charge to regular consumers															
EASTERN ONTARIO SYSTEM—Continued																		
			\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	%	
Smiths Falls.....	D1	218.60	1.225	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Subside.....	D1	96.39	378	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Wellington.....	D1	302.53	1,460	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Winchester.....	D1	381.63	1,954	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	3.33	6	2	0.75	10
Total, Eastern Ontario System..			4,631.36	*See footnote on page 45.										†Summer cottage rates.		‡See heading to first page of table.		

## THUNDER BAY SYSTEM

Nipigon.....	P6 D1	14	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	0.75	10
Thunder Bay.....	P10 D1	1,383	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	4	2	0.75	10
Total, Thunder Bay system...		288.98	1,397													

## NORTHERN ONTARIO PROPERTIES

Connaught.....	FA22 D1	250	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
Crystal Falls.....	FS7 D1	.....	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
Kapuskasing.....	FA14 D1	.....	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
Manitoulin.....	FM1 D1	162.16	962	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
North Bay.....	FZ4 D1	32.14	720	0.87	1.11	1.01	1.11	1.56	2.17	2.68	2.78	3.33	6	2	0.75	10
				†0.87	1.38	1.01	1.38	1.56	2.17	2.68	2.78	3.33	6	2	0.75	10
Powassan.....	FZ8 D1	56.04	198	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
Rainy River.....	FR1 D1	.....	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10
Sudbury.....	FS5 D1	28.50	1,333	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	5.5	2	0.75	10
Teck.....	FA16 D1	.....	1.11	1.11	1.11	1.11	1.11	1.56	2.50	2.78	2.78	3.33	6	2	0.75	10

Total, Northern Ontario Properties... 331.88 3,463.

\*See footnote on page 45. †Summer cottage rates. ‡See heading to first page of table.

Total, all systems: Miles of line, 20,072.35. Number of consumers, 135,106. These totals include 6.49 miles of primary line under construction on October 31, 1942, and service to 947 new consumers which was not completed at the end of the fiscal year.

## SECTION V

### PROMOTIONAL AND WAR SERVICES

**I**NCREASED production of war equipment, restricted supplies of power for non-essential uses, and growing scarcity of materials again made it impossible to promote uses of electricity other than the most essential. Promotional services have given place to war services of an essential and helpful nature.

Attention was therefore concentrated, during 1942, upon assisting industry in the efficient use of electrical power and energy and in its conservation. Participation in the "Bits and Pieces" programme of the Dominion Government was continued with excellent results, and continuous attention was given to the important problem of priorities in the procurement of the Commission's essential equipment and material.

#### Industrial Work

The technical service rendered to Ontario industry was enlarged and more than 170 industrial plants were benefitted. Fifty-one plant surveys were made and the recommendations given not only resulted in a more efficient use of electrical power, but secured a greater output from existing equipment.

Under the "Bits and Pieces" programme the Commission's maintenance shops, as sub-contractors to Government prime contractors, produced a substantial quantity of various items of war equipment. During the year, a total of 24,500 pieces were fabricated and machined.

#### Domestic and Rural Activities

As forecast, the increased requirements of war industries more than caught up with the available supplies of power. To avoid a shortage the Dominion Power Controller imposed certain restrictions and an appeal was made to the public for conservation, especially in the homes. The Commission's staff, in co-operation with the municipal Hydro utilities, developed and produced a conservation campaign which carried the appeal for power conservation to all domestic and commercial consumers. This appeal was well received, and resulted in a sufficient saving to enable the conditions in the fall and winter seasons to be met without serious difficulty.



**Save ELECTRICITY**

WAR INDUSTRIES NEED MORE POWER

**Save ELECTRICITY!**

INVEST IN VICTORY - SAVE ELECTRICITY!

**Save HYDRO**

OUR WAR PLANTS NEED MORE POWER

**is not enough!**

EVEN THE 1,000,000 HYDRO-ELECTRIC HORSEPOWER NOW USED IN ONTARIO'S WAR TIME PRODUCTION —

**POWER CAN BE SAVED HERE TO BUILD MORE SHIPS HERE**

**ELECTRICITY IS A WAR WEAPON**

**Save it!**

**A Critical POWER SHORTAGE THREATENS OUR WAR EFFORT**

**Save ELECTRICITY IN THE HOME**

**INVEST IN VICTORY - SAVE ELECTRICITY**

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Work. Save. Live. — Get Ready to Buy Victory Bonds.

REPRESENTATIVE ADVERTISEMENTS USED IN CONSERVATION PROGRAMME



During the year, with local utility co-operation, a survey of domestic electrical appliances in use was carried out in almost all urban municipalities. This survey provided a satisfactory inventory of the equipment in use by domestic consumers, and has been of material service to governmental departments as a guide to the requirements for spare parts and material necessary to maintain such appliances in operation.

#### **Lighting**

Advisory service respecting efficient lighting under wartime restrictions was made available to industrial and commercial users and was very helpful to war industries. It led to increased production, improved quality, and lessened spoilage.

#### **Advertising**

The Commission's advertising during 1942 was largely devoted to guiding power conservation along effective lines. The programme utilized the press, radio, spot announcements, well placed poster advertising and motion pictures. In addition, printed matter and advertising were prepared and supplied to municipal Hydro officials who ably co-operated.

One of the outstanding features of this conservation campaign was a sound motion picture in color, entitled, "Wardens of Power". This picture developed the reasons for domestic power conservation, and illustrated methods by which such savings could be effected. It was shown extensively throughout the Province and was presented in approximately 200 theatres.

#### **Sales of Lamps and Equipment**

Due to the scarcity of materials the sale of appliances and water heating equipment, except for replacement and repair, was much lower. The sale of Hydro lamps decreased slightly on account of restrictions in commercial and street lighting.

#### **Priorities**

The Sales Promotion staff, to whom has been delegated work resulting from priorities regulations, continued to effect clearances in material and equipment and was successful in securing the necessary supplies for maintenance, repairs and operation. Assistance was also given to local Hydro utilities in their priority problems.

## SECTION VI

### HYDRAULIC ENGINEERING AND CONSTRUCTION

THE growth and increasing demands of war industries for electrical power were reflected, during 1942, in the continued expansion of the Commission's power and water storage developments.

Two major projects were completed and brought into operation, and work on three other large projects was carried on with increased activity. In the Eastern Ontario system, the Commission's power resources were augmented by the completion of the Barrett Chute development which first carried commercial load in August. The Bark Lake storage dam which regulates the supply of water to the Barrett Chute development went into operation on March 31, 1942.

Work on the extension of the DeCew Falls generating station has proceeded actively and it is expected that this plant will be completed by the summer of 1943. On the Niagara river, the construction of the remedial weir above the Falls was commenced in March. By means of this weir, the water level at the intake of the Queenston-Chippawa power canal will be raised and conditions for the generation of electrical power improved. In north-western Ontario, the construction of the Ogoki diversion project progressed rapidly, and was well advanced by the end of the year. Numerous other projects of lesser magnitude were carried out during the year in different sections of the Province for regulating and augmenting water storage, and rehabilitating existing structures and equipment.

#### NIAGARA SYSTEM

##### DeCew Falls Development

The decision to proceed with the DeCew Falls development was reached early in 1941, following an agreement between the Governments of Canada and the United States for the immediate use for power at Niagara Falls by the Province of Ontario of additional waters equivalent in quantity to the diversion from the James Bay basin into the Great Lakes system. The electrical demands of war industries made it evident that the construction of new sources of power was imperative. The location of a new power plant at DeCew Falls was feasible, both from the viewpoint of economy, and from the fact that many war industries were in close proximity.

Situated on the outskirts of the city of St. Catharines, with the intake at Allandale on the Welland ship canal and the outlet at Port Dalhousie on lake Ontario, the development traverses a district which is highly industrialized. Consequently, an unusually large number of problems were encountered involving public utilities and private establishments, and much attention has necessarily been paid to that phase of the work. The protection of private property, the reconstruction and new construction of bridges and roadways, and the relocation of all types of underground and overhead services are involved in this power project.

Three private contractors, as well as the Commission's construction forces, are actively engaged in various features of the work. The construction of intake channels and structure constitute one contract and work on this phase of the project has proceeded rapidly. The new intake structure will be located about one mile north of the old intake and approximately one-quarter of a mile from the Welland ship canal, being connected thereto by an intake channel. The reinforced concrete intake control structure will contain six butterfly valves each of 7-foot diameter, by means of which the flow of water will be regulated and measured. It is anticipated that this contract will be completed by June 30, 1943.

From the intake structure the water flows into and through a series of reservoirs at present serving the original DeCew Falls plant, the main one being known as lake Gibson. Dykes and earth embankments along these reservoirs are being raised and strengthened to accommodate higher water levels. Two canals totalling some 4,500 feet in length, conveying the water from the reservoirs to the headworks at the edge of the escarpment, were nearing completion by the end of the year.

Concrete work on the substructure of the headworks was commenced during the late summer, and on the power house about the end of the fiscal year, provision being made in these structures for the future installation of further units. Rubble-stone facing on the downstream side of the power house is a pleasing feature, designed to blend it architecturally with the rugged nature of the escarpment.

The present work is proceeding for the installation of one 65,000-horsepower, 25-cycle unit, which will operate under an initial head of 265 feet. The existing DeCew Falls plant generates about 50,000 horsepower at a frequency of 66-2/3 cycles. The new plant is about 600 feet east of the old one.

To ensure that there should be no delay in delivery of the turbine, and in order to place existing equipment where load demands are most severe, it was decided to utilize one of Abitibi Canyon units. Accordingly one of the units was dismantled in the spring, and certain parts of the turbine were transported to the site of the work. The remaining turbine parts and the generator and associated electrical equipment will be delivered as soon as the new plant is in readiness to receive them.

A 16.5-foot diameter steel penstock some 465 feet long will convey water to the unit and an elbow type draft tube will discharge to the tailrace. Shop work on the fabrication of the penstock was nearly completed and erection was commenced by the end of the calendar year.





DECEW FALLS—NEW DEVELOPMENT  
Excavation for 25-cycle generating station—June 1942

The excavation of the tailrace channel is completed with the exception of an earth barrier between it and Twelve Mile creek. Improvements in Twelve Mile creek and the construction of a number of rock-filled weirs are being carried out under a separate contract and work has proceeded on these items since early spring. Channels are trapezoidal in shape and vary in width from 50 to 130 feet. They are designed for maximum flows varying from 5,700 cubic feet of water per second immediately below the plant to 9,400 cubic feet of water per second at Port Dalhousie. This is essentially a dredging contract, but land-based equipment was being employed to supplement the dredge toward the end of the year. This phase of the work is scheduled for completion by the early summer of 1943.

Twelve Mile creek enters the channel of the second Welland canal just below lock No. 3, within the limits of the city of St. Catharines. From this junction to Port Dalhousie harbour, the water will follow the canal, in which enlargement of the channel is necessary at certain points, rip rap protection being provided where necessary. At lock No. 2, the canal passes the plant of the Welland Vale Manufacturing Company. Here extensive channel improvements are being carried out by the Commission's construction staff, involving the removal of the old lock and the construction of a weir designed to maintain proper water levels in the channels upstream therefrom.

A third contract covers the construction of a control structure and related works at Port Dalhousie. Work was commenced in September and excavation operations were proceeding rapidly at the end of the year. A concrete highway bridge, outlet channel and outlet control structure in which two electrically-operated Taintor gates will be installed, are included in this contract.

It is anticipated that the new power plant will go on commercial load in the summer of 1943.



OGOKI DIVERSION PROJECT  
Main Waboose dam and construction camp

### Ogoki River Diversion

By the end of the fiscal year, the development to divert the upper waters of the Ogoki river from the James Bay watershed to the Great Lakes system was well advanced. All the major hydraulic structures were completed, the main diversion dam at Waboose rapids being placed in service in August. The new Jackfish river viaduct of the Canadian National Railways will have been completed and opened to passenger traffic by November 20. With the completion of the Jackfish river channel improvements, scheduled for early summer, 1943, it will be possible to divert southerly to lake Nipigon and the Great Lakes, almost all of the run-off above Waboose dam amounting to 4,000 cubic feet of water per second.

Waboose dam, the diversion dam on the main stream and by far the largest dam in the project, is of concrete construction with two compacted earth fill side dams, the total length being approximately 1,425 feet. Twelve sluiceways, 21 feet high and 16 feet wide, regulate the level of the impounded water. A second concrete dam, known as the Summit dam, situated at the height of land, between the Albany river and Great Lakes drainage basins, was completed in 1941, and other dams of compacted earth embankment design were completed at Chappais lake and Snake creek during 1942. With the exception of a canal at the Canadian National Railways crossing of the Jackfish river, channel excavation and improvements were also completed during the year.

Active work on the foundations of the Jackfish river viaduct was commenced in November, 1941, and concrete piers and abutments were ready for the erection of the steel superstructure by September, 1942. The bridge is of plate girder design, with steel towers varying in height from 30 feet to 72 feet. As a conservation measure it was built of steel salvaged from other bridges dismantled in recent years. The total length is approximately 800 feet and the spans vary in length from 59 feet to 99 feet.

Dismantling of the old bridge will be completed by the end of the calendar year, and it will then be possible to carry on channel improvements without restrictions.





**OGOKI DIVERSION PROJECT**

New bridge over Little Jackfish river, completed October 1942

### **Niagara River Remedial Weir**

By an exchange of notes between the Governments of Canada and the United States in October, 1941, additional diversions of water from the Niagara river were agreed upon to the extent of 6,000 cubic feet per second in Canada and 7,500 cubic feet per second in the United States. In view of these additional diversions, it was considered necessary to proceed with the construction of remedial works in 1942.

Essentially, the works consist of a submerged weir in the Chippawa-Grass Island pool designed to raise the water level in the pool to approximately the level existing before the additional diversions were made. The weir is intended primarily to improve conditions for the generation of power on both sides of the Niagara river. It also forms part of a comprehensive scheme to improve scenic conditions.

In co-operation with United States Government engineers, construction was actively commenced in March, 1942. The work consists mainly of placing in the river, stone of different sizes, varying from core stone of approximately one-quarter ton to facing stone of from three to eight tons. Rock is being placed in the weir by means of a cableway supported by steel towers 2,600 feet apart, one being on the Canadian shore of the river, and the other on an artificial island connected to Goat island by a causeway some 2,200 feet in length. The work, it is expected, will be completed early in 1943, and the total tonnage of rock placed will be approximately 27,000 tons.

### **Ottawa River Sites**

Negotiations in respect to undeveloped Ottawa river power sites have proceeded actively throughout the year, and detailed studies, and field and foundation investigations of the Des Joachims power site have been in progress since early spring.

## **GEORGIAN BAY SYSTEM**

### **Eugenia Falls**

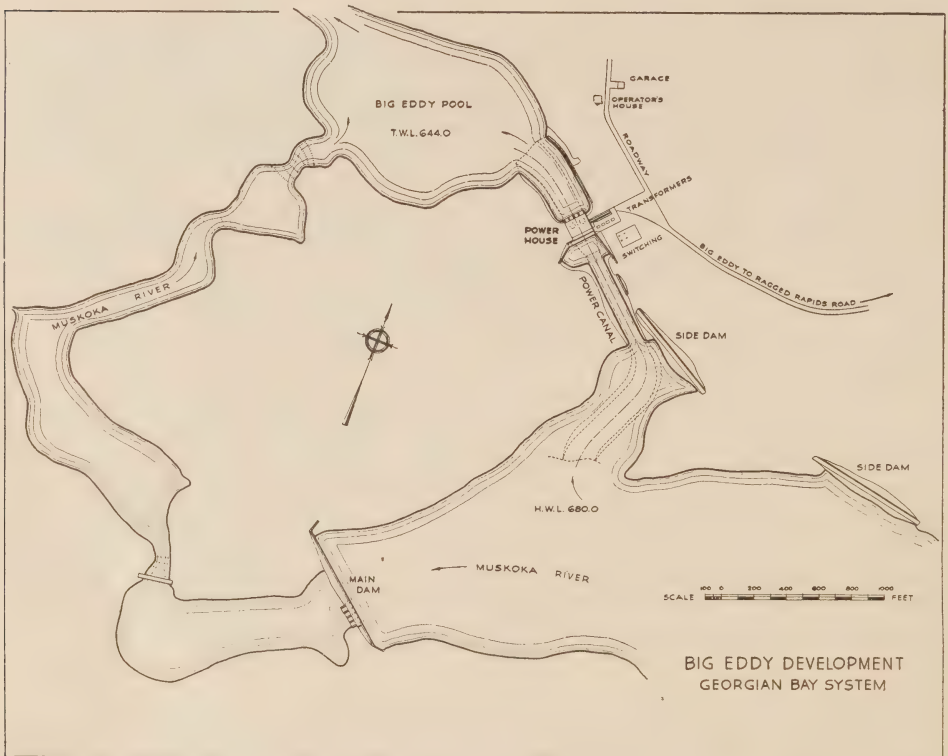
A major programme of rehabilitating the number two pipe line at the Eugenia Falls development was commenced during the fall. The work



consisted mainly of the dismantling of the old pipe line; the ballasting and grading of the foundations; the erection of approximately 2,800 feet of new wood-stave pipe line, 3 feet 10 inches in diameter; and the pouring of 540 feet of concrete pipe. Dismantling was commenced on September 23, and the new pipe line was scheduled to be in service on December 8.

### Trethewey Falls

The reconstruction of the draft tube at the Trethewey Falls plant was another rehabilitation job of major proportions carried out in the Georgian Bay system. In the early summer, it was found necessary to replace the old bell-shaped steel draft tube, and dismantling was commenced in July. The most feasible type of replacement was considered to be a concrete draft tube of the elbow type incorporating a new steel throat liner. The Commission's construction forces executed the work, and the plant was expected to be again in service on November 21, 1942.



### Big Eddy Development

This development, containing two units with a total capacity of 10,000 horsepower, was placed in operation in November, 1941. During the past year, automatic control equipment was installed to allow remote control operations from Ragged Rapids. A full description of the development appeared in a previous report.

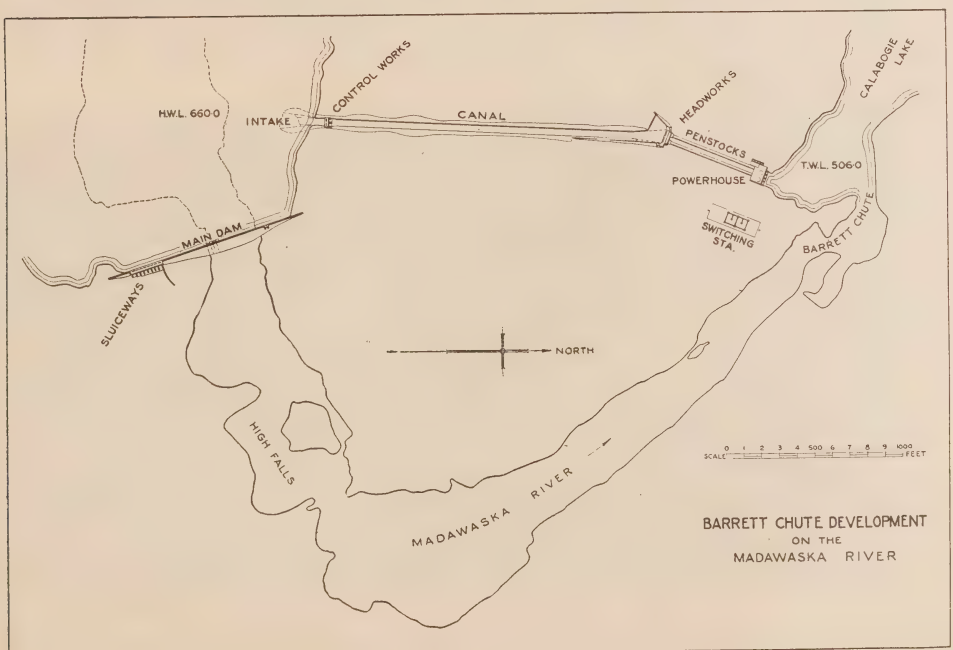
## EASTERN ONTARIO SYSTEM

### Barrett Chute Development

The first of a series of carefully correlated power developments which it is proposed to construct on the Madawaska river, was completed in 1942, and began to carry commercial load early in August. This development, bearing the name of one of the early settlers in the locality, is known as the Barrett Chute development, and is situated at the head of Calabogie lake, some thirty miles above the confluence of the Madawaska river with the Ottawa river. The development operates under a gross head of 154 feet and has a rated capacity of 54,000 electrical horsepower.

At the site of the development, the river follows a wide semi-circular course, dropping through a series of falls and rapids, among them High Falls and Barrett Chute, before entering Calabogie lake, and these natural features lend themselves to a conventional scheme of development. The main dam is located at the head of the rapids, and about 550 feet up the left bank of the river, the power canal cuts diametrically across to the headworks from which two steel penstocks lead to the power house situated on the shore of the lake close to the mouth of the river. A rocky point effectively protects the power house and tailrace from the discharge of the river during flood periods. A general plan of the development is shown below.

The main dam is of the gravity type, has a length of 1,100 feet, a maximum height of 97 feet and a total content of 62,000 cubic yards of concrete. Toward one end, adjacent to the right hand bank of the river, eight sluiceways, 16 feet wide, provide means of discharging surplus flood waters down





BARRETT CHUTE DEVELOPMENT—MADAWASKA RIVER  
Power canal before admission of water

the natural course of the river. Two of the sluices have sills 30 feet, and the remainder 20 feet, below headwater level. They are equipped with stoplogs and a power driven winch and provision is made for the future installation of an electrically operated steel gate in one of the shallower sluices.

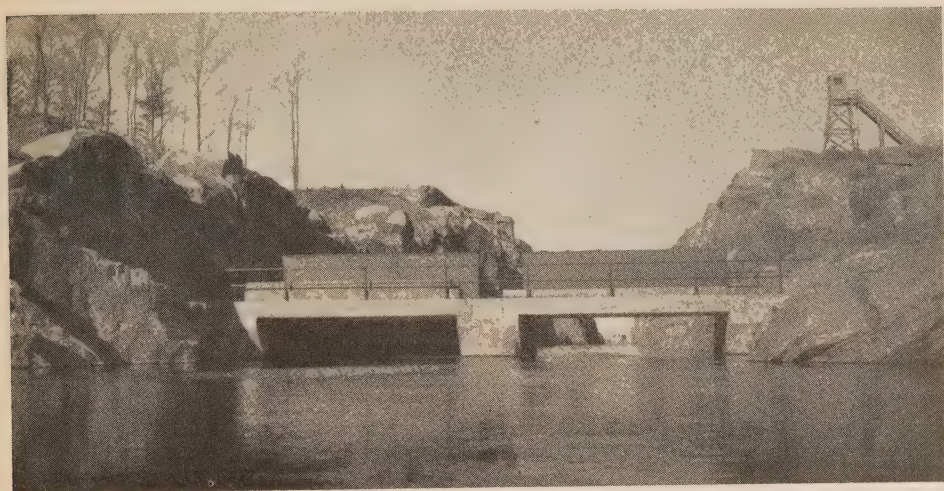
A 4-foot by 8-foot arched tunnel, running through the dam near its base, serves the dual purpose of access for inspection, and of intercepting and conveying seepage water to points of outlet. To reduce foundation seepage to a minimum, a comprehensive scheme of pressure grouting was carried out in order to seal any faults or fine cracks in the rock under the dam and immediately upstream from it.

During construction of the dam, the river flow passed through two unwatering sluices near the base, each sluice being 20 feet square. On completion of the remainder of the development, these were closed by steel gates and filled with concrete. The steel gates were then raised and transferred to the control structure in the power canal. After closure, the water level at the dam was raised approximately 70 feet above its natural level, flooding the valley upstream for a distance of 8 miles to the foot of Mountain Chute and creating a storage pond having an area of 3,700 acres and a permissible drawdown of 8 feet.

The power canal leading from this pond has a length of 2,150 feet and follows a straight course from entrance to the headworks. It is 38 feet wide, rectangular in shape and involved 213,000 cubic yards of excavation, 80 per cent of which was rock. The maximum depth of cut was 78 feet. The velocity of flow at full plant capacity is about 4.35 feet per second. A control structure is built near the upstream end to enable its dewatering when necessary. Toward the downstream end the side walls diverge slightly to form the forebay in front of the headworks.

The headworks structure is of reinforced concrete, 80 feet wide, 50 feet long and 40 feet in height. Here four electrically operated steel head gates

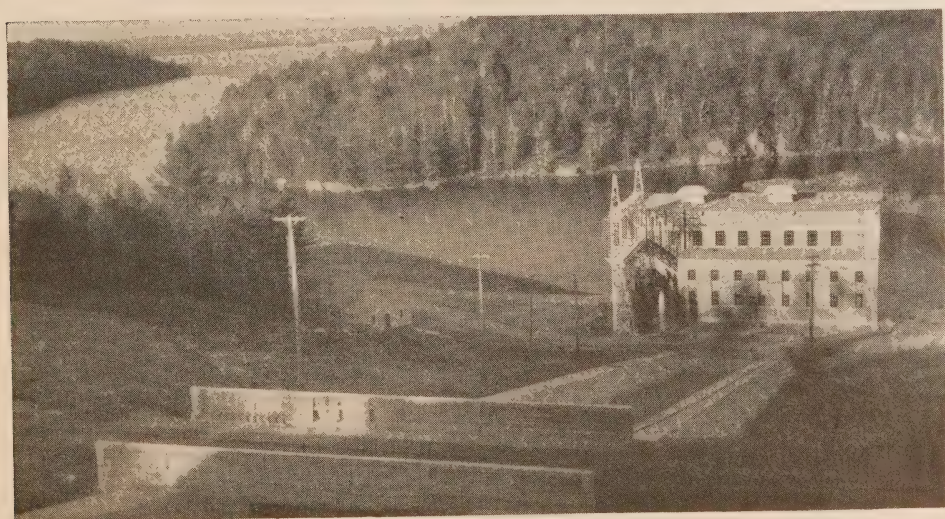




BARRETT CHUTE DEVELOPMENT—MADAWASKA RIVER  
Control sluices at entrance to power canal

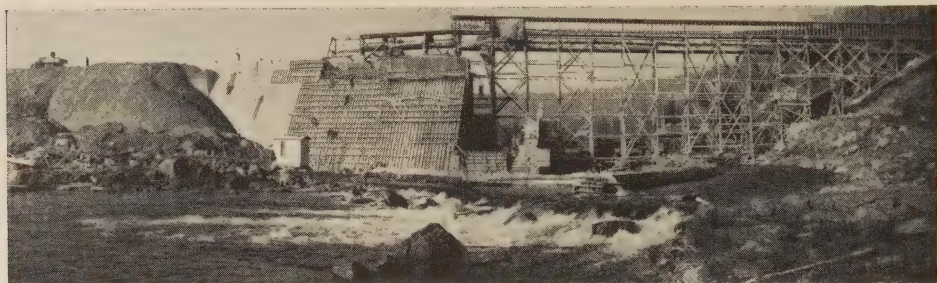
control the flow into the penstocks. The penstocks are of steel, 14 feet in diameter and 549 feet long. They follow a uniform grade and are completely encased in concrete.

The power house, built close to the shore of the lake, is 69 feet wide and 106 feet long, has a brick superstructure and houses two generating units, the turbines of Allis-Chambers' design, having a rated capacity of 28,000 horsepower each under a head of 150 feet and a speed of 163.6 revolutions per minute. They are installed in rivetted steel spiral casings encased in the substructure concrete and equipped with Woodward governors and



BARRETT CHUTE DEVELOPMENT—MADAWASKA RIVER  
General view of power house, penstocks and Calabogie lake





BARK LAKE DAM—MADAWASKA RIVER

Concrete section under construction November 1941, from downstream. South bulkhead wall on left, sluiceway section on right

water lubricated lignum vitae guide bearings. The generators, built by the Canadian General Electric Company, are rated at 24,000 kv-a at 13,200 volts. From the turbines, water is discharged through elbow type draft tubes to a short tailrace and thence into Calabogie lake.

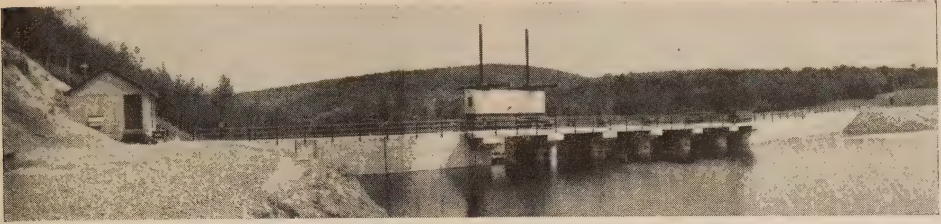
Construction commenced in September, 1940, the initial work consisting of the building of a road  $2\frac{1}{2}$  miles long connecting the site with the Provincial highway. The main dam was completed, except for closure of the unwatering sluices, in the fall of 1941 and the plant came into service in August, 1942, the first unit carrying commercial load on the sixth, and the second on the twenty-fifth of the month.

### Bark Lake Dam

The scheme of power development on the Madawaska river includes a number of water storage developments, and one of these, the Bark Lake storage dam, was completed during the spring of 1942. The new dam is situated about one mile downstream from the foot of Bark lake, about 65 miles upstream from Barrett Chute, and replaces an old rock-filled crib structure.

This work was carried out by contract and consists mainly of an earth fill dam with a concrete control section comprising five sluiceways of the conventional type and, at a lower level, four conduits, 66 inches in diameter, controlled by butterfly valves. The five main sluices are 16 feet wide, have sills 20 feet below headwater level and are equipped with stop-logs and a power driven winch. (See frontispiece).

The new dam will raise the level of Bark lake 25 feet over its old maximum level, and will create a reservoir having storage range of over 30 feet and a capacity of approximately 300,000 acre-feet. The flooding of land, caused thereby, made necessary the relocation of 15 miles of provincial highway, including the construction of a new bridge, and the moving to higher ground of several important buildings in the village of Madawaska. It was also necessary to reconstruct a railway bridge and to remove all railway facilities, including a round house formerly located in the village.



BARK LAKE DAM—MADAWASKA RIVER  
Upstream face with water five feet below maximum level

## NORTHERN ONTARIO PROPERTIES

### Dasserat Lake Diversion

Some years ago the natural flow of Dasserat lake was diverted by lumbering interests from the Abitibi river system into the Ottawa river system. It has been considered for some time that this was not a satisfactory condition, and steps were taken for the restoration of the natural condition.

Dasserat lake is in the province of Quebec, and negotiations for approval of the work were conducted between the provinces of Quebec and Ontario. The work was carried out under a tripartite agreement between the Trustee, Receiver and Liquidator of the Abitibi Power and Paper Company, the Nipissing Central Railway and The Hydro-Electric Power Commission.

Four compacted earth fill dams having a total length of 2,300 feet, together with channel improvements, comprise this project which was carried out by contract. Work was commenced in May, 1942, and the diversion was completed by November.

### Sudbury and Nipissing Districts

Additional water storage for the benefit of Crystal Falls generating station was provided on the Sturgeon river by the completion of Tomiko lake and Wicksteed lake dams during the winter of 1941-1942. Both dams are of the rock-filled timber crib type, and, in addition, Tomiko dam contains a concrete sluiceway section. Wicksteed dam went into operation in November, 1941, and Tomiko dam in March, 1942.

## HYDRAULIC INVESTIGATIONS

Studies to increase the output of various plants have been carried out during 1942, and in this connection the installation of new units at the Alexander and Calabogie generating stations were considered. Hydraulic studies of the Niagara plants have also been made with a view to increasing their output. On the Madawaska, further consideration was given to power and storage developments, and the rehabilitation of several small storage dams was carried out. The operations of main storage reservoirs were supervised and the routine collection of hydrometric data continued.

Engineering assistance on hydraulic problems was afforded various public bodies throughout the year.



## SECTION VII

### ELECTRICAL ENGINEERING AND CONSTRUCTION

CONSTRUCTION work during 1942 continued on a large scale, chiefly for the supply of power to munitions factories, air fields and other military installations. More than 50,000-kv-a generator capacity was placed in service in 1942 and a further 50,000-kv-a is being installed for operation in 1943.

The capacity of the new 220,000-volt transformer station at Burlington is being increased 50 per cent and 120,000-kv-a synchronous condenser capacity has been purchased for installation in 1943.

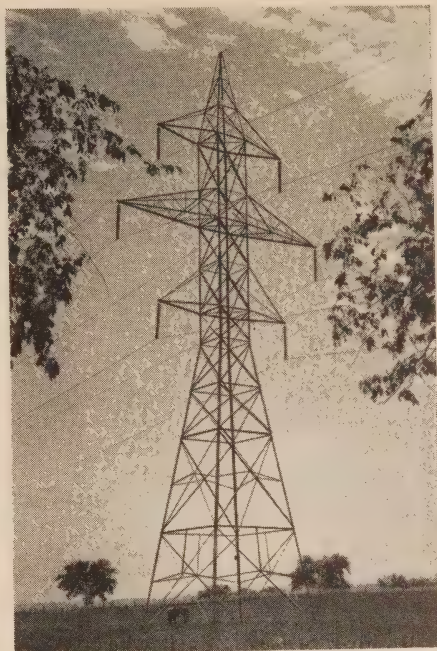
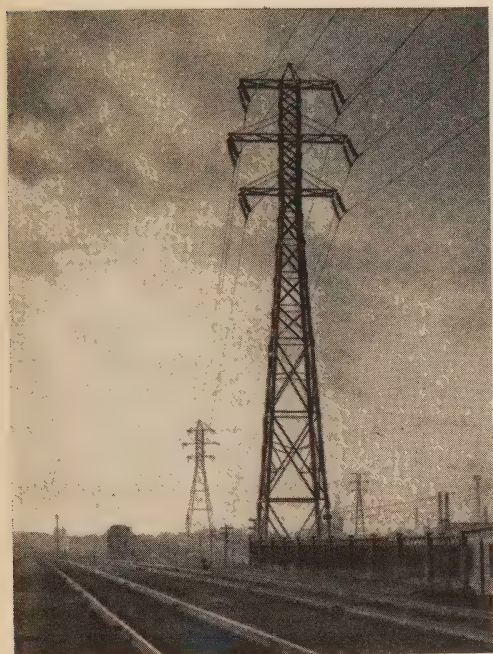
Additional transformer capacity exceeding 100,000-kv-a was installed at transformer stations of the Niagara system and a net capacity of 41,000-kv-a in 45 distributing stations throughout the Province.

A 47,000-kv-a bank of transformers is being installed at Chats Falls generating station to facilitate the transfer of power between the Eastern Ontario and Niagara systems, through the frequency-changer at this station.

The transmission voltage of a large section of the Georgian Bay system was changed from 22,000 to 38,000 volts, materially increasing the capacity of the circuits.

More than sixty-five miles of transmission circuits were erected during the year and forty-three miles of rural feeders were completed to give service to 2,905 additional customers. Although construction work of low-voltage lines to rural customers has been restricted as a wartime measure, a large number of rural line extensions have been made and distributing systems completed for the supply of power to military installations and houses built by the Wartime Housing Board.

Authority was granted for rural line extensions to supply power to twenty-one special installations, fourteen of which were military establishments. Authority was also granted for the installation of distributing systems at nine military establishments and extensions at thirty others. The work is well under way and in many cases completed. Similar work is under way for the installation of rural lines and distributing systems to supply power to 1,567 houses constructed by the Wartime Housing Board at Pickering, Malton, Welland, Sudbury, Hamilton and Ottawa.



#### HIGH VOLTAGE TRANSMISSION LINES

Left — Double-circuit, 110,000-volt steel-tower line, Leaside transformer station to Strachan transformer station

Right — Double-circuit, 220,000-volt steel-tower line, Leaside Junction to Burlington transformer station

Tabulations of transformer installations, and high-voltage and rural transmission circuit extensions for 1942 are given on following pages.

Coupling capacitors have been installed at 220,000 and certain 110,000-volt stations for the operation of relays and indicating meters. A number of the capacitors are equipped to enable communication by carrier current between the stations.

The new network calculator purchased last year was installed in a special room in the Commission's head office building and is used to facilitate system studies for the transmission and distribution of power. The scarcity of construction materials and labour has necessitated elaborate studies as to the best ways to meet new load requirements arising out of the present war conditions. The network calculator renders valuable service in these studies.

### NIAGARA SYSTEM

At DeCew Falls, near St. Catharines, a power station is being constructed to generate approximately 65,000 horsepower at 25 cycles, using water from the Welland canal. The new station will be below the Niagara escarpment near the existing DeCew Falls generating station and has been designed to accommodate ultimately three units of similar capacity. In order to conserve materials a 48,500-kv-a, 13,800-volt, 150-r.p.m. generator is being transferred from Abitibi Canyon power house. It will be necessary



to dismantle the unit and re-assemble it at the new site. A bank of three 22,500-kv-a, 70,000-121,000Y/6,600-13,200-volt, water-cooled transformers, originally purchased and used for the supply of power to the steam generators at Ontario Paper Company's plant is being converted for use at DeCew Falls. The station will be in service in the summer of 1943.

At Chats Falls generating station an additional bank of three 15,700-kv-a transformers, duplicate of the existing banks, is being installed to step-up the 25-cycle voltage of the frequency-changer to 220,000 volts and provide a direct tie between the Eastern Ontario and the Niagara systems for the exchange of available 25-cycle and 60-cycle power.

The installed capacity of the new 220,000-volt station at Burlington was 150,000-kv-a in 1941. The third 75,000-kv-a bank of transformers and voltage regulator purchased last year will be ready for service early in 1943. Three 40,000-kv-a, 25-cycle, 13,200-volt horizontal type air-cooled synchronous condensers have been purchased for this station but installation will not be completed until late in 1943 or early in 1944. The condensers will be erected on suitable foundations with individual concrete enclosures, avoiding as far as possible the use of steel for this purpose.

This station is operated from a temporary control room but the permanent control building now nearing completion will be in service in 1943.

Coupling capacitors for obtaining potential for the operation of relays, synchronizing equipment and indicating meters are being employed extensively at Burlington transformer station. Heretofore such equipment had not been used to any great extent on 25-cycle systems. More than thirty of these 25-cycle coupling capacitors are installed on the 110,000-volt lines and busses, besides those installed on the 220,000-volt lines. The latter are equipped with receiver and transmitter equipment for carrier-current communications and relaying between this station, Toronto-Leaside transformer station and Chats Falls generating station. Similar equipment is installed at Beauharnois generating station for communication with Toronto-Leaside transformer station.

The new transformer stations reported under construction last year at Atlas Steel plant in Welland, Toronto-Esplanade, Palmerston and Niagara have been completed and placed in service.

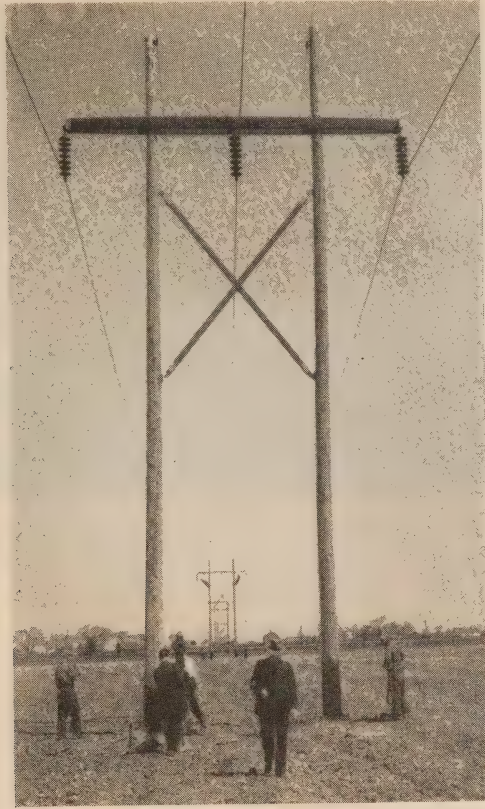
An 8,000-kv-a, 3-phase, forced-air-cooled 110,000/28,400-14,200-volt transformer was temporarily installed and placed in service near McKinnon Industries Limited plant in St. Catharines to augment the supply of power to that customer.

The two banks of self-cooled transformers at Port Colborne transformer station were equipped for forced-air-cooled operation with the installation of the necessary fans. The rated capacity of the station has thus been increased from 30,000-kv-a to 37,500-kv-a.

Nine new distributing stations were installed at various localities on the system and the capacity of thirteen others was increased. Engineering assistance was given to nine municipalities in making major changes to their stations.

No long transmission lines were built for the Niagara system in 1942, but a large number of small changes and additions were made. These are listed on subsequent pages.





WOOD POLE, HIGH-VOLTAGE  
TRANSMISSION LINE

Single-circuit, 110,000-volt wood-pole line, Louth  
junction to St. Catharines transformer station

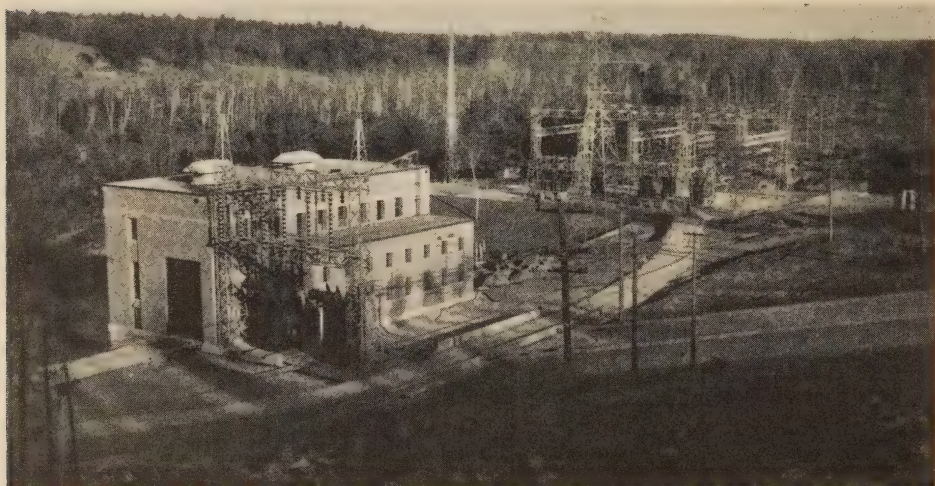
In the Cooksville and York districts the transmission voltage was raised from 13,200 to 26,400 volts on 46.11 miles of circuits.

### GEORGIAN BAY SYSTEM

Low-voltage, metal-clad switching and relaying equipments were installed at Big Eddy development and supervising control apparatus with interconnecting cables were installed at Ragged Rapids and Big Eddy developments for remote automatic control of the latter plant from Ragged Rapids control room.

The transmission circuits from Eugenia to Owen Sound, Hanover to Wiarton and Owen Sound, Hanover to Kincardine and Fergusonvale to Collingwood were all reconnected for 38,000-volt operation. All the stations connected to these circuits have been changed over for 38,000-volt operation and where necessary the transformers and other equipment have been replaced.

A new 3,000-kv-a station was erected at Owen Sound for the supply of power to Wm. Kennedy and Sons Limited and assistance was given this company in the installation of a synchronous condenser and regulator to reduce voltage fluctuations to a minimum in the operation of its electric-arc furnace.



BARRETT CHUTE DEVELOPMENT—MADAWASKA RIVER  
Generating station and switch structures from upper road

### EASTERN ONTARIO SYSTEM

The generating station at Barrett Chute development was completed and the two units were placed in service on August 6, and 25, 1942, respectively. This new generating station on the Madawaska river is about seven miles south-west of Calabogie. The generators are rated 24,000-kv-a, 60-cycles, 3-phase, 164 r.p.m., 13,200-volts, vertical shaft with direct-connected main and pilot exciters. The transformers are 24,000-kv-a, 3-phase, 115,000/13,200-volt, 60-cycle water-cooled units. Power is transmitted away from this station at 115,000 volts over two single-circuit, wood-pole lines, one to Trenton 100 miles away, where it ties into the Eastern Ontario 44,000-volt system through transformer banks at Sidney transformer station, and the other to Chats Falls generating station and Ottawa transformer station. Apart from a loop-in section at Barrett Chute plant these lines form parts of a line from Chats Falls to Trenton constructed in 1937.

Automatic, frequency and load-control equipment was installed at Barrett Chute generating station and Chats Falls frequency-changer station for maintaining a constant frequency throughout the whole system and a desired load-balance with the interconnected generating plants of the Gatineau Power Company, the Chats Falls generating station and those on the Trent waterways system.

Transformer installations or changes were completed at twelve distributing stations on the system.

At the Bryson generating station of the Gatineau Power Company, 110,000-volt switching and metering equipments were installed for the supply of 60-cycle power, under contract to the Commission, direct to Dominion Magnesium plant near Renfrew. A 110,000-volt wood-pole line was built from the generating station to the plant, a distance of eight miles.



### NORTHERN ONTARIO PROPERTIES

The installation of the 18,000-kv-a auto-transformer at Hunta switching-station was completed and the Northern Ontario Properties transmission system can now be interconnected with the Abitibi Pulp and Paper Company's system and both operated at normal voltages.

A few transmission line changes and additions were made. These are listed on following pages.

#### TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1942 and Some of Special Importance for Completion in 1943

Installed transformers							Removed transformers	
Stations	No	Kv-a.	Ph.	Total kv-a.	From	In service	No. Kv-a	To
<b>Niagara System</b>								
N29 Atlas Steel	1	25,000	3	25,000	Reserve	Mar. 28, '42	.....	.....
NA39 Burlington T.S.	3	25,000	1	75,000	New	1943	.....	.....
N24 Hamilton								
Gage T.S.	1	25,000	3	25,000	Reserve	1943	.....	.....
N28 Palmerston T.S.	1	8,000	3	8,000	Reserve	Dec. 7, '41	.....	.....
N36 Toronto								
Esplanade T.S.	2	25,000	3	50,000	Reserve	April 28, '42	.....	.....
NA2 Chats Falls T.S.	3	15,700	1	47,100	New	1943	.....	.....
N43 Port Colborne T.S.	6	*1,250	1	7,500	.....	Jan. 31, '42	.....	.....
N40 St. Catharines T.S.	1	8,000	3	8,000	Reserve	May 3, '42	.....	.....
N3558 Bayview D.S.	1	1,785	3	1,875	New	Feb. 24, '42	.....	.....
N3435 East York								
D.S. No. 5	1	1,875	3	1,875	New	Dec. 23, '41	.....	.....
N3436 East York								
D.S. No. 6	1	1,875	3	1,875	New	Nov. 29, '41	.....	.....
N3446 Scarboro								
D.S. No. 2	1	600	3	600	New	June 5, '42	.....	.....
N3554 Pottageville D.S.	3	150	1	450	Reserve	June 21, '42	3 75	Reserve
N428 D.N.D. (Centralia) Station	1	600	3	600	Reserve	Feb. 13, '42	.....	.....
N537 Acton D.S.	3	500	1	1,500	Reserve	Feb. 22, '42	3 75	Reserve
N533 Elora D.S.	3	333	1	1,000	Reserve	Sept. 19, '42	3 250	Reserve
N840 Palmerston D.S.	3	333	1	1,000	Reserve	April 9, '42	3 150	Malton D.S.
N820 D.N.D. (Goderich) Station	3	333	1	1,000	Reserve	Oct. 18, '42	3 200	Reserve
N1034 Beachville D.S.	3	200	1	600	Reserve	Sept. 20, '42	3 150	Reserve
N1259 Mount Pleasant D.S.	3	250	1	750	Reserve	May 17, '42	3 150	Pottageville
N1432 Tilbury D.S.	3	333	1	1,000	Reserve	Aug. 9, '42	6 75	Reserve
N1439 Wallaceburg D.S.	1	1,500	3	1,500	Reserve	Sept. 25, '42	.....	.....
N1651 Malton D.S.	3	150	1	450	Reserve	Oct. 11, '42	.....	.....
N1820 D.N.D. (Forest) Station	3	200	1	600	Reserve	Oct. 4, '42	3 75	Reserve
N1821 Polymer Corp. (Sarnia) Station	3	667	1	2,000	Reserve	Oct. 25, '42	3 37½	Reserve
N99 Niagara Weir Temp. S	3	100	1	300	Reserve	July 8, '42	.....	.....
N4453 Lincoln D.S.	1	600	3	600	Reserve	May 10, '42	1 300	Reserve
N4933 Port Robinson D.S.	1	300	3	300	Reserve	July 19, '42	.....	.....
N1355 Meadowvale Auto. T.S.	2	5,000	3	10,000	Reserve	Nov. 30, '41	.....	.....

\*Forced air cooling equipment added to original transformer.



**TRANSFORMER CHANGES COMPLETED DURING YEAR ENDED OCT. 31, 1942**  
**and some of Special Importance for Completion in 1943**

Installed transformers						Removed transformers	
Station	No	Kv-a. Ph.	Total kv-a.	From	In service	No. Kv-a	To
ND1 DeCew Falls G.S.	3	22,500 1	67,500	Allenburg T.S.	1943	(Tempo	rary)
ND13 Burlington D.S.	1	500 1					
ND25 Steel Co. of Canada D.S.	3	4,000 1	12,000	Hamilton stm. plant...	1943		
<b>Georgian Bay System</b>							
G25 Collingwood D.S.	3	667 1	2,000	New	Aug. 30, '42	3 400	Reserve
G36 Hanover (Auto. Transformer) F.C.S.	1	3,000 3	3,000	Eugenia G.S.	Mar. 29, '42		
E1 Eugenia G.S.						1 3,000	Hanover
GE40 Walkerton G.S.	1	2,000 3	2,000	New	June 6, '42	1 750	Reserve
GE3 Chatsworth D.S.	1	300 3	300	New	June 28, '42	3 50	Reserve
GE17 Elmwood D.S.	1	300 3	300	New	Mar. 29, '42	1 75	Reserve
GE47 Hepworth D.S.	1	100 1	100	New	Oct. 1, '42		
GE16 Holland Centre D.S.					Jan. 30, '42	1 10	Salvage
GE24 Holyrood D.S.	3	200 1	600	Reserve	Dec. 7, '41	1 300	Reserve
GE15 Kilsyth D.S.	3	100 1	300	New	April 30, '42	1 150	Reserve
GE2 Owen Sound D.S. No. 1	3	1,000 1	3,000	New	June 28, '42	3 500	Reserve
GE21 Teeswater D.S.	3	100 1	300	New	Dec. 7, '41	3 50	Reserve
GE20 Owen Sound D.S. No. 2	3	100 1	300	New	July 31, '42		
GE43 Owen Sound (Kennedy) D.S.	3	667 1	2,000	Reserve	Sept. 21, '42		
GE23 Berkley D.S.	1	100 1	100	New	June 28, '42	1 50	Reserve
<b>Eastern Ontario System</b>							
Q14 Barrett Chute G.S.	2	24,000 3	48,000	New	Aug. 25, '42		
QC33 Madoc D.S.	1	300 3	300	Reserve	Aug. 9, '42		
QC22 Newcastle D.S.	1	300 3	300	Reserve	Feb. 26, '42		
QC27 Oshawa D.S. No. 3	2	3,000 3	6,000	Reserve	June 30, '42	1 3,000	Reserve
QC303 D.N.D. (Trenton Air Station) D.S.	3	150 1	450	New	Nov. 21, '41		
QC538 Frankford D.S.	3	100 1	300	New	May 3, '42	3 50	Reserve
QC2904 D.M. & S. (Lindsay Arsenal) Station	3	1,250 1	3,750	New	1943		
QL2 Prescott D.S. No. 1	1	750 3	750	New	May 3, '42		
QL2702 D.N.D. (Treadwill D.S.)	3	100 1	300	New	Aug. 30, '42		
QM2901 D.N.D. (Arnprior) Station	3	200 1	600	New	May 1, '42		
QH52 Rideau T.S.	1	1,500 3	1,500	Reserve	Aug. 11, '42		
QL602-2 D.I.L. (Cornwall) Temp. Station	3	50 1	150	Reserve	July 30, '42		
QM3101-1 D.N.D. (Peta-wawa) Station	1	1,500 3	1,500	New	July 31, '42		
<b>Northern Ontario Properties</b>							
FA50 Hunta (Auto. Transformer) S.S.	1	18,000 3	18,000	New	May 31, '32		

## TOTAL MILEAGE OF TRANSMISSION LINES AND CIRCUITS

System and voltage	Kind of structures	Line route or structure miles			Circuit miles
		Total to Oct. 31, 1941	Additions 1942	Total to Oct. 31, 1942	Total to Oct. 31, 1942
<b>Niagara System</b>					
220,000-volt. ....	steel	1,025.12		1,025.12	1,069.97
110,000-volt. ....	"	860.13	* 0.47	859.66	1,519.92
110,000-volt. ....	wood	79.55	2.29	81.84	83.67
90,000-volt. ....	steel	65.85		65.85	120.81
60,000-volt. ....	"	59.58		59.58	35.57
60,000-volt. ....	wood	0.62		0.62	0.62
46,000-volt. ....	steel	32.47		32.47	65.17
46,000-volt. ....	wood	22.22		22.22	22.22
26,400-volt. ....	"	837.69	52.84	890.53	1,032.78
13,200-volt. ....	"	309.79	*44.41	265.38	291.88
13,200-volt. ....	steel	1.17		1.17	2.34
12,000-volt. ....	wood	96.61	0.59	97.20	121.92
Dominion Power division—44,000-volt..	steel	34.76		34.76	72.07
Dominion Power division—44,000-volt..	wood	116.57	*40.05	76.52	72.90
Dominion Power division—22,000-volt..	"	28.69		28.69	38.21
Dominion Power division—10,000-volt..	"	14.46		14.46	14.46
<b>Georgian Bay System</b>					
110,000-volt. ....	wood	55.83		55.83	55.83
38,000-volt. ....	"	199.37	24.02	223.39	250.87
6,600-volt. ....	"	2.30		2.30	2.30
Severn district—22,000-volt. ....	"	133.86	*24.11	109.75	164.19
Eugenia district—38,000-volt and less...	"	246.15	6.50	252.65	334.78
Wasdell district—22,000-volt. ....	"	83.43		83.43	87.37
Muskoka district—38,000-volt. ....	"	26.31		26.31	26.31
<b>Eastern Ontario System</b>					
110,000-volt. ....	steel	163.23		163.23	166.54
110,000-volt. ....	wood	281.49	9.56	291.05	291.05
44,000-volt. ....	"	24.33		24.33	24.33
33,000-volt. ....	"	42.26		42.26	47.94
Central district—44,000-volt and less...	"	496.01	17.87	513.88	552.11
St. Lawrence district—44,000-volt. ....	"	128.29		128.29	128.67
Rideau district—26,400-volt. ....	"	62.63		62.63	62.63
Madawaska district—33,000-volt and less	"	59.01		59.01	59.01
<b>Thunder Bay System</b>					
110,000-volt. ....	steel	82.12		82.12	164.28
110,000-volt. ....	wood	178.21		178.21	178.21
44,000-volt. ....	"	114.91	* 1.10	113.81	113.81
22,000-volt. ....	"	7.87		7.87	7.87
12,000-volt. ....	"	1.45		1.45	1.45
<b>Northern Ontario Properties</b>					
Abitibi district—132,000-volt. ....	steel	362.74		362.74	725.48
Abitibi district—132,000-volt. ....	wood	190.19		190.19	190.19
Abitibi district—33,000-volt and less...	"	152.61	* 2.04	150.57	151.33
Sudbury district—22,000-volt. ....	"	61.36	0.21	61.57	61.57
Sudbury district—110,000-volt. ....	"	46.23		46.23	46.23
Nipissing district—22,000-volt. ....	wood	62.32	0.84	63.16	80.04
Patricia district—44,000-volt. ....	"	344.02		344.02	344.02
Patricia district—22,000-volt. ....	"	33.01	* 0.35	32.66	32.78
Totals. ....		7,226.82	† 2.19	7,229.01	8,915.70

\*Removals.

†Net increase.

NOTE: Circuit miles of 220,000-volt line, in the province of Quebec, connected to H-E.P.C. lines= 103.45. Total, 220,000-volt system interconnected circuit miles= 1,173.42.

**TRANSMISSION LINE CHANGES AND ADDITIONS MADE DURING YEAR  
ENDED OCTOBER 31, 1942**

**NIAGARA SYSTEM**

**High-Voltage Lines**

A 110,000-volt, single-circuit, wood-pole line was built from Louth junction 2.29 miles to St. Catharines transformer station.

A section of the 110,000-volt, steel-tower line from Guelph transformer station to Preston transformer station, 1.36 miles in length, was replaced by 1.63 miles in a new location.

A 110,000-volt, double-circuit, steel-tower line, Nelson junction 0.74 mile to Wentworth junction, was removed.

A 110,000-volt, double circuit was removed from the steel-tower line Nelson junction 0.75 mile to Wentworth junction.

The 110,000-volt, double circuit and ground cable were removed from the steel-tower line Nelson junction 2.6 miles to Halton junction.

A 110,000-volt circuit was removed from the double-circuit, steel-tower line Halton junction 17.87 miles to Cooksville transformer station.

A section of the 60,000-volt, double-circuit, steel-tower line from Garner Road junction to Pelham junction was removed.

The 60,000-volt, double-circuit, steel towers from Burlington junction 17.45 miles to Hurontario junction were removed.

The 60,000-volt, double-circuit, steel towers from Hurontario junction 6.9 miles to Islington junction were removed.

A section of the 60,000-volt, single-circuit, wood-pole line from Garner Road junction to Welland Chemical Corporation was rebuilt with suspension insulators for that customer.

**Low-Voltage Lines**

NIAGARA DISTRICT:—A 12,000-volt line was built from Stanley Street junction 1.6 miles to Niagara Falls Hickson Avenue station.

A 12,000-volt line was built from Magdalen Street junction 0.44 mile to Niagara Falls General Brock station.

A 12,000-volt line was built from "C.N.P. Co." transformer station 0.16 mile to "T.P." transformer station, replacing a similar line 0.23 mile in length which was removed.

A 12,000-volt line was built from "T.P." transformer station 1.23 miles to Waterworks junction and 0.1 mile to the Norton Company for that customer.

The 12,000-volt, double-circuit line from "T.P." transformer station 1.25 miles to Chippawa junction was rebuilt, restrung with heavier conductor, and 0.76 mile converted to single circuit. The connection to Chippawa junction was removed and relocated 800 feet to Waterworks junction.

The 12,000-volt, double-circuit line from Chippawa junction 0.13 mile to Waterworks junction was converted to single circuit and restrung with heavier conductor.

The 12,000-volt, double-circuit line from Waterworks junction 0.11 mile to the Norton Company was converted to single circuit with heavier conductor.

LONDON DISTRICT:—A 26,400-volt line was built from Centralia junction 0.2 mile to Centralia Airport for the Dominion Government.

A 13,200-volt line was built from Crumlin junction 1.46 miles to Central Aircraft Limited for the Dominion Government.

A 13,200-volt line was built from London transformer station 0.88 mile to London Trafalgar distributing station, partly on existing poles.

The 13,200-volt circuit from London transformer station 0.88 mile to Dorchester junction was removed.

The 13,200-volt circuit from Dorchester junction 0.61 mile to London Trafalgar distributing station was removed.



GUELPH DISTRICT:—The 13,200-volt line from Georgetown distributing station 0.56 mile to Provincial Paper junction was reinsulated and placed in service at 26,400 volts.

The 13,200-volt line from Provincial Paper junction to 0.86 mile to Provincial Paper Company distributing station was reinsulated and placed in service at 26,400 volts.

KITCHENER DISTRICT:—A 13,200-volt, double-circuit line was built from Kitchener transformer station 0.32 mile for the Kitchener Public Utilities Commission.

STRATFORD DISTRICT:—A 26,400-volt line was built from Palmerston transformer station 1.11 miles and connected to the line to Listowel junction.

A 26,400-volt line was built from Palmerston transformer station 0.99 mile and connected to the line to Harriston junction.

The 26,400-volt line from Palmerston junction 0.78 mile to King and Toronto junction was removed.

A section of the 26,400-volt line from King and Toronto junction to Harriston junction 0.23 mile in length was removed.

One circuit of the 26,400-volt line from Stratford transformer station 6.51 miles to Sebringville junction was removed.

The 26,400-volt, double-circuit line from Stratford transformer station 1.75 miles to Stratford municipal station was converted to pole-top-pin construction and restrung for the Stratford Public Utilities Commission.

A 26,400-volt underground cable was installed from Stratford transformer station 1.51 miles to Stratford municipal station for the Stratford Public Utilities Commission.

ST. MARYS DISTRICT:—The 13,200-volt circuit and sky wire from St. Marys transformer station 0.67 mile to St. Marys junction was removed.

A section of the 13,200-volt line from St. Marys junction to St. Marys Portland Cement Company distributing station 0.76 mile in length was removed. The ground cable was removed throughout, a distance of 1.55 miles.

A 13,200-volt circuit was erected on 0.86 mile of Telephone poles and 0.49 mile of new poles from St. Marys transformer station and connected to the line to St. Marys Portland Cement Company distributing station.

BRANT DISTRICT:—On eleven sections, totalling 43.64 miles, ground cable was removed. Ten of these sections, totalling 41.56 miles, were converted to pole-top-pin construction.

COCKSVILLE DISTRICT:—A 26,400-volt line was built from Clarkson distributing station 1.73 miles to the British American Oil Company.

Five sections, totalling 24.32 miles, were reinsulated and placed in service at 26,400 volts.

KENT DISTRICT:—The remaining section of ground cable, 4.75 miles in length, was removed from the 26,400-volt line from Dresden junction to Oil Springs junction.

ESSEX DISTRICT:—A 26,400-volt line was built from Bloomfield junction 0.63 mile to Canadian Industries Limited.

Sections of 26,400-volt lines totalling 0.34 mile were removed from Essex transformer station to Essex distributing station by rearrangement of lines.

YORK DISTRICT:—Twelve sections, totalling 20.39 miles, were reinsulated and placed in service at 26,400 volts, completing the change-over from 13,200 volts to 26,400 volts in this district.

HAMILTON DISTRICT:—A 13,200-volt tap-line was built 0.06 mile to Aerovox (Canada) Limited.

ST. CLAIR DISTRICT:—A 26,400-volt line was built from Polymer junction 0.22 mile to Polymer Corporation for that customer.

On six sections, totalling 27.10 miles, the ground cable was removed.

TORONTO AND LEASIDE DISTRICTS:—A 13,200-volt tap-line was built 0.06 mile to Scarborough township distributing station number two.

TORONTO AND FAIRBANK DISTRICTS:—A 26,400-volt line was built from York Mills distributing station 2.19 miles to Bayview distributing station.

A 26,400-volt tap line was built 0.04 mile to the Acme Screw and Gear Company.

**CROWLAND DISTRICT:**—A 26,400-volt line was built from Page Hersey junction 0.74 mile to Page Hersey Tubes Limited.

A 26,400-volt line was built from Page Hersey Tubes Limited 0.19 mile to Electro Metals station.

A 26,400-volt line was built from Crowland transformer station 0.54 mile and connected to the line to Union Carbide junction, 0.22 mile of which was restrung with heavier conductor.

A 26,400-volt tap-line was built 175 feet to the Dominion Oxygen Company Limited for that customer.

**THOROLD DISTRICT:**—A 12,000-volt line was built from St. Catharines transformer station 0.2 mile to McKinnon Industries Limited.

A 12,000-volt line was built from Alliance junction 0.17 mile to the Alliance Paper Company.

**WELLAND DISTRICT:**—Three sections, totalling 1.77 miles, of 12,000-volt lines were removed. The remainder of this district was incorporated into Crowland district.

**NIAGARA-DOMINION DISTRICT:**—A 44,000-volt circuit was erected on existing poles 0.51 mile and on new poles 0.89 mile from Niagara Falls (C.N.P.) frequency changer station to the Niagara Weir for that customer.

The 44,000-volt line from DeCew Falls generating station 13.20 miles to Beamsville distributing station was removed.

The 44,000-volt line from Bartonville switching station 26.85 miles to Cockshutt station was removed.

The 22,000-volt line from DeCew Falls generating station 3.7 miles to Thorold junction was rebuilt.

### GEORGIAN BAY SYSTEM

#### High-Voltage Lines

The 22,000-volt line from Collingwood distributing station 0.97 mile to the Collingwood Elevator was reinsulated and placed in service at 38,000 volts.

The 22,000-volt, double-circuit line from Coldwater junction 15.86 miles to Elmvale junction was converted to single circuit, reinsulated, and placed in service at 38,000 volts.

One circuit of the 22,000-volt, double-circuit line from Waubaushene switching station 3.68 miles to Coldwater junction was reinsulated and placed in service at 38,000 volts.

One circuit of the 22,000-volt, double-circuit line from Elmvale junction 4.51 miles to Fergusonvale junction was reinsulated, partly relocated, and placed in service at 38,000 volts.

The 22,000-volt circuit from Fergusonvale auto-transformer station 27.11 miles to Collingwood distributing station was reinsulated and placed in service at 38,000 volts and the ground cable was removed.

A portion of the ground cable, 1.78 miles in length, was removed from the 38,000-volt line from Collingwood distributing station to Meaford junction.

**EUGENIA DISTRICT:**—A 38,000-volt line was built from Owen Sound distribution station number two 1.84 miles and connected to 0.13 mile of 38,000-volt circuit to Owen Sound distributing station number one.

A 38,000-volt line was built from Victoria Park junction 0.15 mile to the line between Owen Sound distributing station number one and number two.

A 38,000-volt line was built from Victoria Park junction 0.81 mile to Owen Sound (Kennedy) distributing station.

A 38,000-volt line was built from Kilsyth junction 3.69 miles to Owen Sound distributing station number two.

The 22,000-volt line from Victoria Park junction 0.32 mile to Owen Sound distributing station number one was converted to single circuit at 38,000 volts.

The operating voltage was raised from 22,000 to 38,000 volts on thirty-three sections totalling 198.05 miles, of which thirty-one sections totalling 179.85 miles were reinsulated this year. The lines from Eugenia generating station north westerly to Wiarton, south to Hanover, and west to Lake Huron, comprising over 80 per cent of the line mileage in Eugenia district, are now in operation at 38,000 volts.

The ground cable was removed from twenty-one sections totalling 128.25 miles.

The 38,000-volt line between Kilsyth junction 9.95 miles to Derby Mills junction was restrung.

SEVERN DISTRICT:—The ground cable and one circuit were removed from the 22,000-volt, double-circuit line Elmvale junction 0.42 mile to Elmvale distributing station.

On three sections of 22,000-volt lines, totalling 24.11 miles, the ground cable was removed.

### EASTERN ONTARIO SYSTEM

#### High-Voltage Lines

A 110,000-volt, single-circuit, wood-pole line was built from Bryson generating station of the Gatineau Power Company 7.94 miles to the Dominion Magnesium Company.

The 110,000-volt, single-circuit, wood-pole line from Chats Falls to Trenton was looped in to Barrett Chute generating station by the construction of 1.62 miles of line.

CENTRAL DISTRICT:—A 44,000-volt line was built from Lindsay junction 13.94 miles to Lindsay Arsenal.

A 44,000-volt line was built from Lindsay distributing station 3.07 miles to Lindsay Arsenal.

A 44,000-volt line was built from Portsmouth junction 0.94 mile to Canadian Industries Limited.

A 44,000-volt line was built from Oshawa transformer station 0.12 mile to Oshawa Boulevard junction.

A section, 0.2 mile in length, of the 44,000-volt line from York Road junction to Bath Road junction was removed.

Ground cable was removed from 17 miles of the 44,000-volt line between Lindsay junction and Lindsay distributing station.

ST. LAWRENCE DISTRICT:—A 44,000-volt line was built from Hoople Street junction 0.61 mile to Defence Industries Limited for that customer.

MADAWASKA DISTRICT:—A 23,000-volt line was built from the Pembroke Electric Light Company station in Pembroke 10.86 miles to Petawawa Military Camp station for the Dominion Government.

A 33,000-volt connection 400 feet in length was built to the Arnprior Airport station for the Dominion Government.

### THUNDER BAY SYSTEM

A 44,000-volt line was built from Little Long Lac Gold Mines 1.43 miles to the Elmos Island property of Tombill Gold Mines Limited for that customer.

The 44,000-volt line from Magnet Lake junction 1.1 miles to Jellicoe Consolidated Gold Mines Limited was removed.

### NORTHERN ONTARIO PROPERTIES

ABITIBI DISTRICT:—The ground cable and telephone circuit were replaced with copper on a 2.2-mile section of the 132,000-volt line from Blezard Valley junction to Falconbridge transformer station.

The 26,400-volt line from Pamour transformer station to Hoyle Gold Mines Limited was extended 0.1 mile to a new mine station.

The 26,400-volt line from Vipond junction 0.15 mile to Mace Gold Mines distributing station was removed.

The 26,400-volt line from Hallnor Mines Limited 0.56 mile to North Whitney Mines Limited was removed.

The 13,200-volt line from Bidgood Kirkland Gold Mines Limited 0.88 mile to Moffat-Hall Mining Company Limited was removed.

The 13,200-volt line from Lakeside junction 0.55 mile to Lakeside Kirkland Gold Mines Limited was removed.

SUDBURY DISTRICT:—A 22,000-volt circuit was erected on Sudbury Hydro-Electric System poles from Notredame junction 0.21 miles to Sudbury Railway distributing station.



**NIPISSING DISTRICT:**—A 22,000-volt line was built from Elliott Chute junction 0.48 mile to Bingham Chute generating station.

A 22,000-volt, double circuit was erected on existing poles from Sturgeon Falls junction 0.36 mile to Sturgeon Falls generating station.

**PATRICIA DISTRICT:**—The 22,000-volt line from Springer junction 0.32 mile to Central Patricia (Springer) Mine station was removed.

### TELEPHONE LINES—ALL SYSTEMS

**Niagara System**—In the St. Thomas district 2.25 miles of the telephone circuit carried on 13,200-volt transmission line poles between Aylmer junction and Aylmer distributing station were relocated for the Department of Transport in order to clear the approaches to the new airport at Yarmouth Centre (Aylmer).

In the London district a telephone circuit 0.21 mile long was erected for the Department of Transport on 26,000-volt transmission line poles from Centralia junction to Centralia airport (Royal Canadian Air Force).

In the Stratford district two telephone circuits were erected on 26,400-volt transmission line poles, 1.11 miles from Palmerston transformer station to a tap near Palmerston junction.

A single telephone circuit was erected on 26,400-volt, rural and separate telephone poles, for 1.74 miles south and easterly from Palmerston transformer station, to replace 1.75 miles of trunk telephone circuit on 110,000-volt power poles easterly from the new Palmerston transformer station towards Erbs junction.

In the Niagara district, a single telephone circuit 9.37 miles long was erected on 26,000-volt rural and separate telephone poles, from Garner Road junction to Crowland transformer station.

The double-circuit trunk telephone pole line from Vinemount to Stoney Creek, along 6 miles of the T. & N.P. right-of-way, was completely rehabilitated.

A telephone circuit 1.59 miles long was erected on 12,000-volt transmission line poles, from the Toronto Power Company transformer station to the Niagara Weir construction works.

The existing telephone pole line between the Ontario Power Company transformer station and Queenston generating station, 5.85 miles, was reconstructed to accommodate a 75-pair, composite, paper-insulated, lead-covered cable for general communication facilities. In this connection four telephone circuits were erected 5.65 miles from Niagara transformer station to Queenston generating station.

In the Leaside district a single telephone circuit 2.19 miles long was erected on 26,000-volt transmission line poles, between York Mills and Bayview distributing stations.

To facilitate communication to the new Burlington transformer station, a double-circuit telephone pole line 10.30 miles long was erected from Woodburn via Fruitland distributing station to Hamilton Beach transformer station.

Two additional telephone circuits were erected from Dundas transformer station, 7.69 miles to Nelson junction. A double-circuit telephone connection was erected partially on the Canadian National Telegraph and Bell Telephone Company poles, 4.47 miles from Burlington transformer station to Burlington junction.

A ten-circuit trunk telephone pole line was constructed from Burlington transformer station to Nelson junction, 1.55 miles, to allow a loop into Burlington transformer station from the Commission's Toronto to Dundas telephone circuits.

Between Burlington and Hamilton Beach transformer stations 18.05 miles, a 52-pair, composite, paper-insulated, lead-covered cable was installed to provide telephone and meter control facilities.

**Georgian Bay System**—A 53-pair, composite, paper and rubber-insulated, lead-covered cable was erected on the existing telephone line poles from Ragged Rapids generating station 3.70 miles to Big Eddy generating station.

A new single-circuit telephone line was erected on 44,000-volt transmission line poles, 5.84 miles from Kilsyth junction to Owen Sound.

The telephone circuit was replaced on the 38,000-volt transmission line poles, 6.20 miles, between Holyrood junction and Holyrood distribution station.

**Eastern Ontario System**—At Ottawa transformer station, Masson generating station and Chats Falls generating station, aeriels were erected on the power lines for the operation of power line carrier terminals at these locations.

Carrier installations were made at Barrett Chute for operation over existing telephone circuits from Barrett Chute generating station to Chats Falls and to Belleville respectively.

A 25-pair, paper-insulated, lead-covered cable 4,000 feet long was installed between the transformer station control room and telephone equipment building at Chats Falls.

The single-circuit telephone line was looped into Barrett Chute generating station from the existing Sydney to Chats Falls, 110,000-volt pole line. The distance from the structure to the line was 0.78 mile.

**Northern Ontario Properties**—A new single-circuit telephone line 1 mile long was erected from Sudbury distributing station No. 1 to the Sudbury office.

A telephone circuit 0.9 mile long was erected on 26,400-volt transmission line poles between North Bay distributing stations No. 1 and No. 2.

## DISTRIBUTION LINES AND SYSTEMS

### IN RURAL POWER DISTRICTS

The following summary shows the mileage of distribution lines constructed by the Commission in rural power districts and the number of consumers served.

The summary indicates a total construction during the year of 43 miles of new primary lines completed and giving service to 2,905 additional consumers.

#### SUMMARY OF CONSTRUCTION IN RURAL POWER DISTRICTS

System and district	At October 31, 1941		At October 31, 1942					
	Miles of primary line constructed	Number of consumers receiving service	Miles of primary line			Number of consumers		
			Constructed	Under construction or authorized	Total	Receiving service	Authorized	Total
NIAGARA SYSTEM. ....	11,736.46	81,038	11,752.01	4.69	11,756.70	83,150	597	83,747
GEORGIAN BAY SYSTEM	3,049.59	18,487	3,063.43	.....	3,063.43	18,639	.....	18,639
EASTERN ONTARIO SYSTEM.....	4,618.54	26,962	4,629.56	1.80	4,631.36	27,510	350	27,860
THUNDER BAY SYSTEM	286.16	1,313	288.93	.....	288.98	1,397	.....	1,397
NORTHERN ONTARIO PROPERTIES.....	331.88	3,404	331.88	.....	331.88	3,463	.....	3,463
Abitibi district.....	53.04	254	53.04	.....	53.04	250	.....	250
Sudbury district.....	28.50	1,286	28.50	.....	28.50	1,333	.....	1,333
Nipissing district....	88.18	908	88.18	.....	88.18	918	.....	918
Manitoulin district.	162.16	956	162.16	.....	162.16	962	.....	962
Totals.....	20,022.63	131,254	20,065.86	6.49	20,072.35	134,159	947	135,106

## SECTION VIII

### TESTING—RESEARCH—INSPECTION

#### PRODUCTION AND SERVICE

THE Laboratories expanded direct contribution to the war effort by increased inspection, testing and research for various departments of the government and the armed services. Several engineers and research workers were released to engage in important research and other work for the duration.

Indirect contributions continued in the study and testing of apparatus of various types required by the Commission to maintain the supply of power to war industries and for civilian use. Research work is a factor of leading importance in the war programme and the Commission has contributed to this vital work through the Laboratory staff and its research activities.

The study of vibration in transmission line conductors resulted in the design of new torsional dampers for the protection of a greater range of conductor sizes. The suppression of vibration makes it possible to build high-tension lines at less cost and with greater assurance of continuity of service.

The conditions existing in large concrete structures were under investigation and the greater knowledge obtained serves as a guide in the preparation and placing of concrete. The study of absorptive form linings marks an advance in development of methods of handling concrete.

Studies of radio interference produced further information with which to diagnose cases of interference to broadcast listeners and with other services.

The factory inspection service has continuously assured high quality in the equipment purchased and installed and thus minimized interruptions to the power supply.

Special attention was given to the study and testing of substitute materials to ensure that under war restrictions the Commission would have suitable materials of satisfactory quality for its requirements.

The Approvals Laboratory, which functions as agent of the Canadian Engineering Standards Association, has continued its service of testing devices and fittings and has co-operated closely with the Electrical Inspection department for protection against electric shock and fire hazard to keep down accidents within the Province.



## TESTING AND RESEARCH LABORATORIES

### Routine and General Testing

Part of the work of the Laboratories is the conducting of routine tests on products and materials, and the inspection of equipment of various kinds for the Commission and for Hydro municipal utilities in the Province. Attention is given to equipment while being manufactured, after completion in the factory and following erection in the field. While the greater portion of this work is of a routine nature, the type of test applied in each case is selected to ensure reliability and satisfaction in service.

### Materials and Equipment Inspection

#### Transmission Line Materials

Inspection of transmission line materials handled by Strachan Avenue stores continued through the year. This included insulator pins, cross arms, clamps, brackets, ground rods, general line hardware, wire and cable. The amount of copper wire and galvanized steel cable inspected amounted to 341 tons, the former being only a small part of this total.

#### Electrical Equipment

Factory inspection covered two 24,000-kv-a generators for Barrett Chute development, one 1,200-kv-a generator for Sills Island generating station and one 2,000-kv-a generator rebuilt for Rat Rapids. After the two generators were installed at Barrett Chute, acceptance tests were supervised.

Inspection and electrical witness tests were made on 126 power transformers, with total capacity of 357,126 kv-a, 56 oil circuit breakers, total capacity 6,577,479 kv-a, and 114 disconnecting switches having total capacity of 8,755,176 kv-a. The greater part of 543 new distribution transformers inspected was for airport service, and 281 used transformers were also inspected after repairs had been made. Line and bus insulators totalled 37,804, valued at \$122,973, but very few were of the suspension type.

Metalclad switchgear equipment for twelve installations was inspected in detail at two factories.

In the latter part of the year, gradient tests were made in the field on 1,675 transformer and oil-circuit-breaker bushings and insulators installed on equipment. This service is being continued as a safeguard against power interruptions and to minimize maintenance costs. In addition, the results of about 3,000 tests made by the Operating department were reviewed.

Routine tests were made in the Laboratories on 6,044 pairs of linemen's rubber gloves and 1,761 samples of insulating oil. Special tests were made on 1,153 samples of oil. Instrument and distribution transformers tested amounted to 1,445, about 15 per cent more than last year. The quantity of thermostats tested, 1,779, was much greater and there was an increase of 70 per cent in the number of insulators given routine tests, the total being 20,463 units. The watthour meters repaired numbered 4,876. Also 204 indicating instruments were calibrated, an increase of 18 per cent.

### **Mechanical and Structural Equipment**

Factory and field inspection included two 28,000-horsepower hydraulic turbines and two 24,000-kv-a generators for Barrett Chute development, also embedded parts for one 65,000-horsepower turbine for DeCew Falls generating station, including the speed ring, discharge ring, draft tube liner, pit liner and scroll case.

Among the more important structures inspected for Barrett Chute development were one 120-ton crane, two 13-ft. diameter penstocks, four head gates and hoists and four stoplog winches, together with the structural steel for the power house. Other items, inspected for various plants, were four 66-inch butterfly valves, one 30-inch silicon-bronze turbine runner, structural steel for Hamilton Gage transformer station and twelve emergency gates for DeCew Falls generating station.

Welding and other features in the fabrication of tanks for power transformers and oil circuit-breakers and of frames and other parts of large turbines and generators were given very close inspection. Forty-five welded transformer tanks were inspected upon request of a transformer manufacturer.

### **Concrete**

Six resident concrete inspectors, and nine other inspectors and assistants were engaged on eight construction projects. Their duties were the testing of aggregates, supervising the processes and checking the quality of the concrete.

Field inspections of seventeen structures were made to check condition of the concrete and observe any deterioration.

Field surveys for materials required were made at three sites:—DeCew and Eugenia power developments and Armstrong.

### **Protective Coatings**

Protective coatings, including paints, for use in the Commission's construction projects were tested for quality, this being a very important service in view of the number of substitutes now in use. The number of paint samples tested was 108, slightly more than last year. The weatherometer is used extensively to accelerate deterioration of the test samples.

### **Steel and Timber**

Structural and reinforcing steel inspected, together with galvanized station and tower steel, amounted to 2,695 tons. A total of 7,847 pine and cedar poles were examined.

### **Lamps and Lighting Equipment**

The number of lamps examined and tested in the factory was 91,214, nearly 30 per cent more than last year. Life tests were made on 4,800 lamps. Various automobile headlight and signal devices also were tested.

Baking tests on paint by infra-red rays amounted to about 70 per cent more than last year, the number of samples being 85, which indicates the increasing interest of the manufacturers in this method of baking paints and other protective coatings.

## Research

The Laboratories are associated with all of the research problems of the Commission and supply the greater part of the personnel and the equipment for these studies. In most instances, the work is done within the Laboratories but there also are a number of problems which require field tests. These are supervised by members of the staff acting in co-operation with the research subcommittees.

### Vibration of Transmission Line Conductors

In view of the great investment in transmission lines and the vital part they play in electrical supply problems, the study of line conductor vibration which causes cable breakage and service interruptions is one of the most important continuing studies carried on from year to year.

Design of new torsional dampers, the result of earlier research, has extended the range of conductors which can be protected. Comparison of dampers has been made in order to keep the number of types and sizes in use at a minimum.

From the studies it is evident that all sizes of steel-reinforced aluminum cable are subject to vibration and preventive methods are necessary in all areas where wind can cause vibration.

A new type of emergency repair was investigated on the Sarnia-St. Thomas 110,000-volt line to determine its effect in preventing vibration.

An improvement has been made in automatic recording equipment with constant speed film drive, this equipment being the basis for performance evaluation of vibration suppression devices.

A large amount of data on conductor vibration has been compiled. This year a specification was prepared on zinc-coated steel wire based on fatigue and other properties determined in the investigations.

The experience and knowledge gained in the study of vibration has proven of value in the solution of problems in fields other than that of line conductors, i.e. vibration of tower members and large section back guys at a wide river crossing.

### Electrical Insulation

Studies of the gradient method of testing transformer and oil-circuit-breaker bushings, and high-voltage direct current testing of cables have been an important part of the work. Insulating materials were investigated, and also types of joints. Failures of distribution transformers in service were studied. Co-ordination of insulation on rural circuits was given considerable attention and more information was gathered on the serviceability of various types of lightning arresters. Study of the application of substitute insulating materials was more important than previously.

### Remote Control of Loads

A research subcommittee has been studying methods of controlling remotely water heater and other domestic loads which may be disconnected for a time from a central point. The merits of different systems were studied



with a view to assisting the municipalities with their problems of peak loads and remote control of street lighting and other circuits.

#### **Radio Interference**

Laboratory and field tests were made on various equipment suspected of producing radio interference—power lines, transformers, insulators, switches and lightning arresters. Improving the broadcast listeners' reception is the chief purpose of radio interference studies and tests.

#### **Electronic Applications**

Frequency modulation of radio carrier waves was studied by several members of the staff who presented the subject at a meeting of the Toronto Section Discussion Group of the American Institute of Electrical Engineers.

Field tests were made on station-to-truck radio communication equipment with a view to using the method to enable patrolmen to keep in touch with their base stations.

The study of direct current transmission of power was continued.

#### **Domestic Hot Water Tanks and Heaters**

Service tests have been continued on experimental hot water tanks and heaters and a new porcelain-enamelled tank was installed. Tests of heater elements were made in both copper and iron tanks and on various types of insulating material used with strap-on and immersion heaters.

#### **Electric Welding**

Studies were continued on the effects of stress relieving as a means of reducing the magnitude of stresses caused by welding. Investigations were started to determine the merits of different electrodes for welding cast iron. Attention was given to a new metal spraying process used for building up worn shafts, turbine blades and other deteriorated parts.

#### **Masonry Materials**

Much of the work was a continuation of the studies on mass concrete, particularly the investigation of stress, strain and temperature conditions. Improvements were made in the method of measuring temperature in concrete.

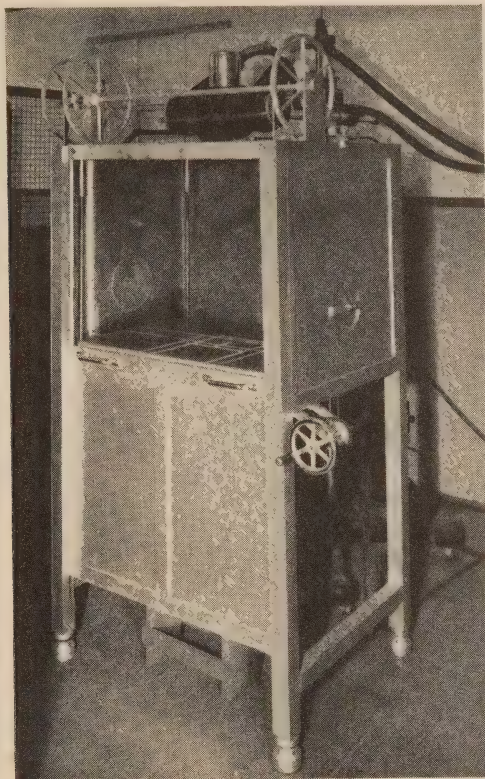
Progress was made in an investigation to determine the effect of long periods of storage upon the quality of cement. The investigation of absorptive form linings also has progressed and arrangements have been made for a trial installation on a construction job in the Niagara district.

#### **Paints and Protective Coatings**

A study of equipment enamel has been started and various brands of paints were tested for quality. The blistering and peeling of some house paints have presented an important problem which received considerable attention. Investigations were made on materials for lubricating and protecting lead cable.

#### **Petroleum Products**

A study of the effect of water in insulating oil on the rate of filtering through filter paper has been made to obtain additional information on this



#### RADIOGRAPHIC EXAMINATION OF MATERIALS

X-ray tube assembled with lead-lined cabinet for locating faults in metal castings and other parts

subject. An investigation also was made on lubricating oil which had developed a high acidity and was beginning to deposit sludge and this oil was restored to a fair condition. Tests are made on petroleum oils, greases, etc., that may be of interest to the Commission.

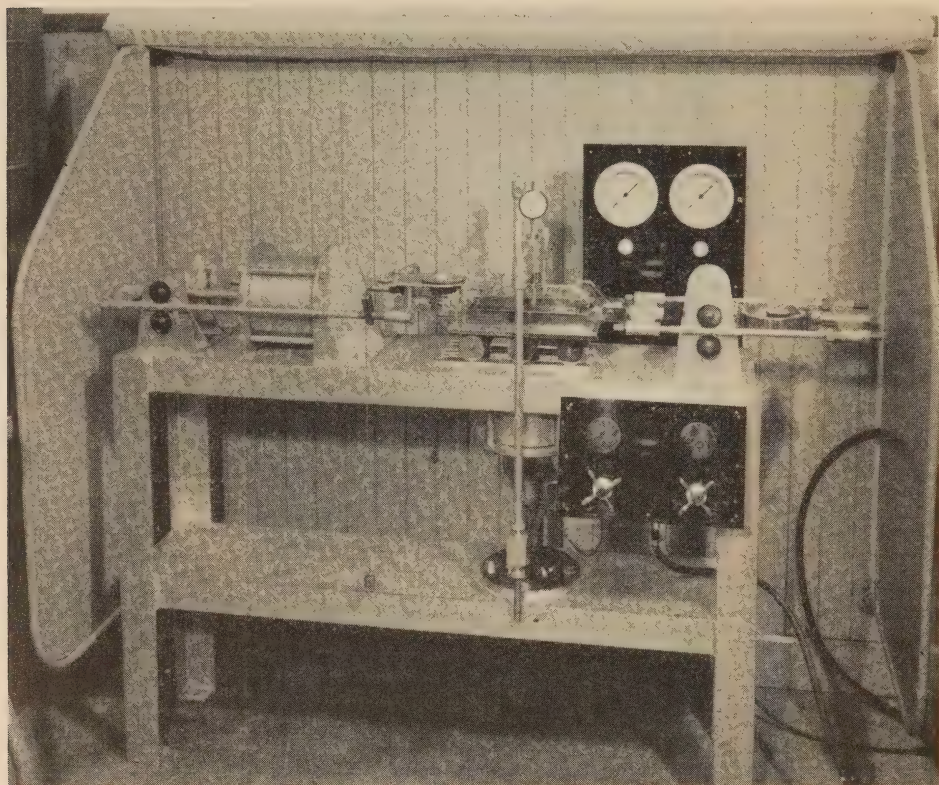
#### Treatment of Wooden Transmission Structures

The use of wood preservatives to prevent deterioration of poles at the ground line is proving of substantial value to the Commission. Study of preservatives and their application is an important part of the work. A new pole test bed was established this year at Cameron Falls with specimens of spruce, pine, eastern cedar and western cedar. In the existing test beds at Barrie and Leaside, a number of pole sections which had been treated with water-soluble salts were inspected and analysed to determine the quantity and distribution of the various chemicals absorbed by the wood.

#### Joints in Electrical Conductors

Test spans have been installed in the Laboratory yard where various types and modifications of joints were given tests under service conditions.





#### SHEAR STRENGTH OF SOILS

Pneumatic direct shear-testing machine for measuring the friction angle and cohesion of soils for use in earth dams, dikes and embankments

Electrical resistance measurements were made periodically to determine the deterioration of these joints. These spans were extended this year to include U-bolt clamps for aluminum-to-copper joints.

The study of twisted and compression sleeve joints was continued using several types of filler materials and different methods of application.

#### Grounding

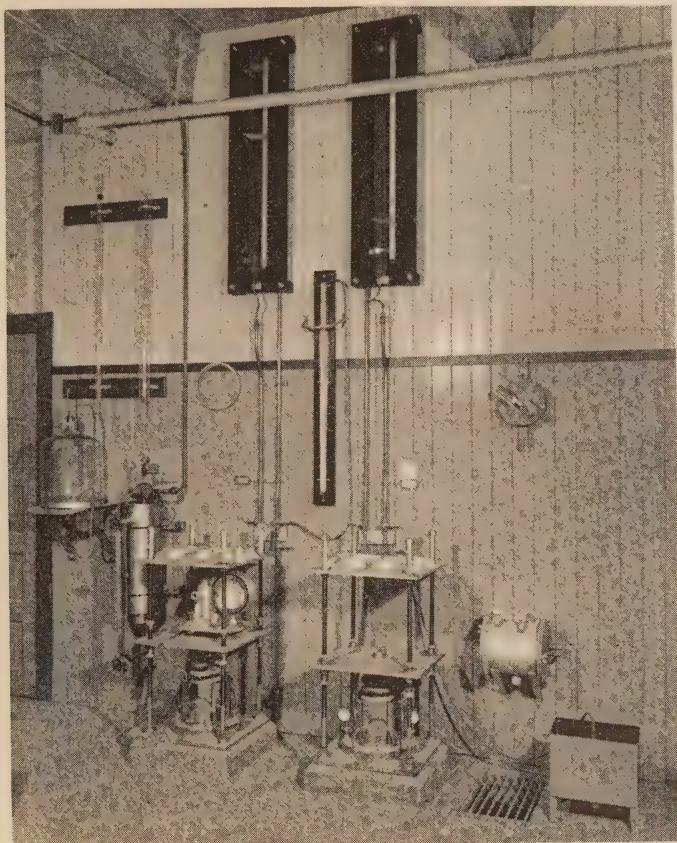
The problem of grounding transformer cases and pole line hardware was given further attention. The galvanizing of ground rod assemblies was studied and found desirable to continue for the present.

The grounding of airbreak switches was given attention with special reference to the potential differences between the operating handle and ground under fault conditions.

#### Miscellaneous Research

Soil investigations were carried further to determine the properties of earth materials for use in dam construction. Certain factors which influence





#### PERMEABILITY OF SOILS

Two permeameters for measuring the seepage capacity of soils under load

the results obtained in permeability and shear tests were given special attention.

Fluoroscopic studies of various types of metal castings have been made to insure reliability in service of equipment being constructed.

#### New Equipment

Two new insulation-testing transformers were purchased for the wire test laboratory; a new head-lifting device was obtained for the 40,000-lb. Universal compression testing machine and a 200-lb. capacity dial type scale for the concrete and soil laboratories. Three permeameters and a liquid limit measuring device were bought for soil testing and a reflectometer and transmissometer for the photometric laboratory.

A pacing disc device was assembled for the soil shear machine, a lead-lined steel cabinet was completed for radiographic work, and a special magnet was designed and assembled to charge permanent magnets.

### Specifications and Committee Work

Members of the Laboratories' staff attended meetings and conferences of several organizations and assisted in the preparation of specifications and other committee activities. These organizations included: Canadian Engineering Standards Association, National Research Council, Engineering Institute of Canada, American Institute of Electrical Engineers, American Concrete Institute, American Society for Testing Materials, International Association of Electrical Inspectors, Canadian Machine Tool Builders' Association, Canadian Manufacturers' Association, Ontario Municipal Electric Association, and Association of Municipal Electrical Utilities.

## APPROVALS LABORATORY

This section of the Laboratories functions as agent of the Canadian Engineering Standards Association, taking care of approvals testing and factory re-examination of electrical equipment throughout Canada, and for manufacturers in the United States who wish to sell their products in Canada. The Approvals engineer attends meetings of the administrative board of the Approvals division held in Ottawa, Montreal and Toronto.

Revenue-producing items have shown a decrease this year. Although label sales for insulated wire and cable and for conduit had increased last year, they have again decreased in volume indicating that the building period for war plants and wartime housing has passed its peak. The reduction in quantity of appliances is largely due to the necessary restriction in the use of metals and other essential raw materials required in the production of equipment and materials for use in the war. Many lines of electrical equipment are considered non-essential and therefore have been almost entirely withdrawn from production.

## ELECTRICAL INSPECTION DEPARTMENT

The various restrictions necessitated by Canada's wartime economy have been forcibly reflected in the volume of work handled by the Electrical Inspection department this year. The decrease in the number of non-essential electrical installations, such as those for urban residential and commercial premises, together with the cessation of rural line construction and extensions, have not been counterbalanced by the volume of electrical installation work carried out in buildings classified as essential to the prosecution of the war.

It would appear that this condition will not show improvement until after the war, and that the volume of work will continue to decrease as essential war industries have now reached a high degree of saturation.

### Statistical

A total of 88,934 permits was issued, a decrease of 26.2 per cent from last year and a decrease of 21.5 per cent from the average number issued during the five fiscal years, 1938-1942. Inspections made numbered 183,716, a decrease of 14 per cent from 1941.



### Fires Attributed to Electricity

In making routine investigations of fires reported as having been caused through wiring and equipment, fourteen were found to have originated from this source. Five of these were due to current from electric street railway systems accidentally entering consumers' premises, not to defective wiring nor improper use of apparatus or wiring by the consumer.

The remaining nine fires were due to clothing in contact with a hot plate, joints in flexible cord, short circuits in armoured cable and in knob-and-tube wiring, and an iron left in contact with combustible material and unattended.

### Electrocutions and Fatal Accidents

Seven persons lost their lives in 1942 as a result of accidents in connection with electric wiring and equipment in Ontario. Causes of these fatalities, briefly, were,—two men received fatal burns while opening 2,300-volt disconnecting switches under load; two men came into contact with high-voltage lines; one man touched a grounded metal conduit while making splices in a live 600-volt conductor and another grasped a grounded conduit while cutting a 120-volt service conductor; one woman was electrocuted while taking a bath when an air heater fell into the bath tub.

### Accidents, Non-Fatal

In addition to fatalities, twelve persons received either severe shock or burns as a result of accidents due to electrical equipment.

In ten of these cases, men received severe burns,—four were handling live conductors on the back of 600-volt switchboards; one used a 240-volt test lamp on a 600-volt circuit; one was transposing live supply leads to a motor; another was cleaning the terminals of a live disconnecting switch with a wire brush; one opened a defective live switch while investigating trouble and two were burned while standing near a disconnecting switch when it was opened under load. Some of these persons suffered shock as well as burns but two others received shock, one while touching a defective ungrounded casting drier and the other from contact with armoured cable that was defective and had been installed in a sub-standard manner.

### Ground Tests

A total of 698 ground tests were made in isolated communities and rural districts, as compared with 2,511 in 1941. The reduction is due to the decrease in rural line extensions.

### Infractions of Regulations

Twenty-five persons, or companies, were prosecuted for various infractions of the rules and regulations governing the installation, sale and disposal of electric wiring and equipment.

### Special Inspections of Equipment

During the year, 1,057 applications were received from manufacturers and distributors of electrical equipment for approval of devices not listed as approved by the Canadian Engineering Standards Association. The department reported upon 844 of these applications.



### **The Canadian Electrical Code**

Engineers of the Canadian Engineering Standards Association, and members of the Engineering department and Electrical Inspection staff attended sixteen meetings and assisted in compiling and revising sections of Parts I, II and IV of the Code.

The work on Part I of the Code, on Electrical Installations, includes issuing interim revisions and interpretations and attending meetings of the Central committee. That on Part II, on Approval Specifications for Electrical Equipment, involves the preparation of draft specifications and includes meetings with Part II committee. The work associated with Part IV, on Radio Interference, includes preparations of drafts of sections of specifications which would ensure good practice in methods of suppressing radio interference. This work also involves attendance at meetings of the committee on Part IV, and meetings of panels and subpanels of the Main committee.

Attention was given to the preparation and editing of galley and page proof forms for the Part I and Main committees, and in compiling final preliminary drafts for the Part II committee. Twenty new and revised specifications of Part II were issued and fifteen other specifications were advanced. Work was started on two new specifications, one of which was left uncompleted by order of the Administrative Board. A large amount of secretarial work was done on the preliminary draft stages of other specifications.

## **PRODUCTION AND SERVICE DEPARTMENT**

The volume of work done in the machine shop, carpenter shop and garage continued on a very active basis, exceeding that of the previous year by approximately 15 per cent. Part of the increase in the machine shop was due to participation in the Bits and Pieces Programme which resulted in the manufacture of 22,800 individual parts for various war industries.

A total of 1,530 orders was completed by the machine shop and garage. The work done in the garage included overhauling 74 trucks and reconditioning 46 units of gasoline-driven equipment for the Construction department. In addition, 963 orders for miscellaneous truck repairs were completed. The policy of regularly and systematically inspecting the Commission's fleet of 379 trucks was continued.

The curtailment in the manufacture of commercial vehicles limited the purchases by the Commission to 31 trucks and one trailer. Of these, 11 trucks were replacements and the remaining 20 were additions to the fleet. No trucks have been purchased since April and all efforts from that time have been confined entirely to maintaining present equipment.

The mileage operated by the fleet during the fiscal year was approximately 2,700,000 miles which represents a reduction of 18 per cent from the previous year's mileage. This reduction reflects the consistent efforts made by the various departments of the Commission to conserve rubber and reduce the consumption of gasoline.

## SECTION IX

### FINANCIAL STATEMENTS

Relating to

**Properties Operated by The Hydro-Electric Power Commission in the  
Niagara, Georgian Bay, Eastern Ontario and Thunder Bay  
Systems on Behalf of Municipalities**

and to

**Northern Ontario Properties Held and Operated by the Commission  
in Trust for the Province of Ontario, and**

**The Hamilton Street Railway Company—A Subsidiary of  
Niagara System**

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**I**N this section of the Report financial statements relating to the activities of The Hydro-Electric Power Commission, segregated into certain distinct divisions, are presented. The first division relates to those activities on behalf of the co-operative municipalities, which are partners in the main "Hydro" undertaking comprising the Niagara, Georgian Bay, Eastern Ontario and Thunder Bay systems. The second relates to the administration of the Northern Ontario Properties which are held and operated by the Commission in trust for the Province of Ontario. The third relates to The Hamilton Street Railway Company, a subsidiary of the Niagara system.

#### Co-operative Systems

In the Foreword to this Report a brief reference is made to the basic principle governing the operations of the "Hydro" undertaking in supplying electrical service at cost, and to the *wholesale* and *retail* aspects of the work. A description is also given of the several systems into which the partner municipalities are co-ordinated for securing common action with respect to power supplies, through the medium of The Hydro-Electric Power Commission which, under The Power Commission Act, functions as their Trustee.

Although for the purpose of financial administration the various systems are separate units, there is a similarity of procedure with respect to their operation which enables certain financial statements, as for example the various reserves, to be co-ordinated and presented in summary tables.

The first set of tables in Section IX gives collective results for the co-operative activities related to the four systems. These tables include a **balance sheet**; a **statement of operations and cost distribution** as detailed in the "cost of power" tables referred to below; schedules respecting **fixed assets, capital expenditures and grants—rural power districts, power accounts receivable, funded debt issued or assumed, renewals reserves, contingencies and obsolescence reserves, stablization of rates reserves, sinking fund reserves** and the account with the Provincial Treasurer of the Province of Ontario.

The tables which follow these general financial statements relate more particularly to the individual municipality's aspects of the wholesale activities of the Commission and for each system show the **cost of power** to the individual municipal utilities, the **credit or debit** adjustment remaining at the end of the fiscal year, and the **sinking fund** equity that has been acquired by the individual municipality. There is also included for each system a **rural operating** statement.

The charges for power supplied by the Commission to the various municipalities vary with the amounts of power used, the distances from the sources of supply and other factors. The entire capital cost of the various power developments and transmission systems is annually allocated to the connected municipalities and other wholesale power consumers, according to the relative use made of the lines and equipment. Each municipality assumes responsibility for that portion of property employed in providing and transmitting power for its use, together with such expenses—including the cost of purchased power if any—as are incidental to the provision and delivery of its wholesale power. The annual expenses and the appropriations for reserves are provided out of revenues collected in respect of such power, through the medium of power bills rendered by the Commission. The municipalities are billed at an estimated interim rate each month during the year and credit or debit adjustment is made at the end of the year,\* when the Commission's books are closed and the actual cost payable by each municipality for power taken has been determined.

Included in the municipality's remittance to the Commission for the wholesale cost of power—besides such current expenses as those for operation and maintenance of plant, for administration, and for interest on capital—are sums required to build up reserves for sinking fund, for renewals, for contingencies and obsolescence, and for stabilization of rates. The first-mentioned reserve, namely, sinking fund, is being created on a 40-year basis for the purpose of liquidating capital liabilities. The other reserves are, respectively, being created to provide funds for the replacing or rebuilding of plant as it wears out; to enable the undertaking to replace existing equipment with improved equipment as it become available through advances in science and invention, and to meet unforeseen expenses which from time to time may arise; and to prevent rates from fluctuating unduly.

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\*The financial year for the Commission ends on October 31. The financial year for the municipal electric utilities however, ends on December 31, and the municipal accounts are made up to this date, and so recorded in Section X.



The ultimate source of all revenue to meet costs—whether for the larger operations of The Hydro-Electric Power Commission or for the smaller local operations of the municipalities—is, of course, the consumer. Out of the total revenue collected by each municipal utility from its consumers for service supplied, only an amount sufficient to pay the wholesale cost of power supplied by the Commission as outlined above is remitted to the Commission; the balance of municipal electrical revenue is retained to pay for the expense incurred by the local utility in distributing the electrical energy to its consumers.

### Tabular Data

The following comments relate to the tabular data presented:

**Balance Sheet.**—The first tabular statement given in Section IX is a balance sheet showing the assets, and the liabilities of the several co-operative systems.

**Statement of Operation and Cost Distributions.**—This statement is a summary of operating expenses and fixed charges as shown in the “cost of power” tables relating to the individual systems as referred to more particularly below.

**Fixed Assets.**—Details are given concerning the various fixed assets of each system and of the miscellaneous properties, whilst similar details are shown of the capital expenditures for the year ended October 31, 1942.

**Capital Expenditures and Grants—Rural Power Districts.**—This schedule gives summary information respecting the total capital expenditures on rural power districts and grants-in-aid of construction paid or payable by the Province with respect to such rural districts.

**Power Accounts Receivable.**—This schedule sets forth the amounts collectable from all classes of power consumers and includes the annual adjustment figures from the “credit or charge” statements for municipalities. The main details of those debit balances three months or more overdue are stated.

**Funded Debt Issued or Assumed.**—This schedule presents a complete list of the securities issued or assumed by the Commission on account of the several systems, and the Northern Ontario Properties. It should be noted that securities issued to finance Northern Ontario Properties are shown only in memorandum form on the balance sheet of the Commission, whilst the direct liability is shown on the balance sheet of the Northern Ontario Properties.

**Renewals Reserves,  
Contingencies and Obsolescence Reserves, and  
Stabilization of Rates Reserves.**

These schedules show the provisions made to, the expenditures from, and the balance to the credit of, these reserves for each of the systems and other properties included in the power undertakings operated on a cost basis.

**Sinking Fund Reserves.**—This schedule summarizes the appropriations of principal and interest with respect to these reserves for each of the systems and certain other properties.

**Account with the Provincial Treasurer.**—This schedule lists, both for the Niagara and other systems operated on a cost basis, and for the Northern Ontario Properties which are held and operated by the Commission in trust for the Province, the advances from the Province of Ontario and the repayments which have been applied to reduce this liability. It should be noted that Provincial advances to finance Northern Ontario Properties are shown in memorandum form only on the balance sheet of the Commission as the direct liability is carried on the Northern Ontario Properties' balance sheet.

Following these statements, which are common to all systems, there are given for each of the individual co-operative systems four tabular statements as follows:

**Cost of Power** statement, which shows the apportionment to each municipality of the items of cost summarized in the operating account, as well as the apportionment of fixed assets in service listed in the balance sheet and the amount of power taken by each municipality. It should be noted that the cost of power given in this table is the wholesale cost—that is, the cost which the Commission receives for the power delivered from the main transformer stations serving the local utility. In the case of municipal electrical utilities not directly administered by the Commission, the respective costs of power appear in Statement "B" of Section X as "power purchased".

**Credit or Charge** statement, which shows the adjustments made in order to bring the amounts paid by each municipal electric utility to the actual cost of service.

**Sinking Fund** statement, which gives the accumulated total of the amounts paid by each municipality as part of the cost of power together with its proportionate share of other sinking funds.

**Rural Operating** statement, which summarizes for the rural power districts of the system the various items of cost, and the revenues received, in connection with the distribution of electrical energy to rural consumers.

### **Northern Ontario Properties**

The statements and schedules respecting these properties which are held and operated by the Commission in trust for the Province of Ontario include the balance sheet, operating and income accounts, schedules of fixed assets, renewals reserves, contingencies and obsolescence reserves, and sinking fund reserves. These schedules are similar in form to the corresponding schedules relating to the co-operative systems.

### **The Hamilton Street Railway Company**

This is a subsidiary of the Niagara system of the Commission. A balance sheet and operating and income account are presented.

### **Municipal Utilities**

All municipal "Hydro" utilities have current expenses to meet similar to the expenses of the Commission and have adopted the same financial procedure with respect to their operations. In other words, concurrently with the creation of funds to liquidate their debt to the Commission and to provide the necessary reserves to protect generating, transforming and transmission systems, the municipalities are taking similar action with respect to their local "Hydro" utility systems.

The balance sheets, operating reports and statistical data appearing in Section X, under the heading of "Municipal Accounts", relate to the operation of local distribution systems by individual municipalities which have contracted with the Commission for their supply of electrical energy. To this section there is an explanatory introduction to which the reader is specially referred.

### **Auditing of Accounts**

The accounts of The Hydro-Electric Power Commission of Ontario are verified by auditors specially appointed by the Provincial Government. The accounts of the "Hydro" utility of each individual municipality are prepared according to approved and standard practice and The Public Utilities Act requires that they shall be audited by the auditors of the municipal corporation.





## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

## FINANCIAL ACCOUNTS

For the Year Ended October 31, 1942

Relating to Properties operated on a "Cost Basis" for the Co-operating  
Municipalities and Rural Power Districts which are supplied with  
Electrical Power and Services from the following Properties:

Niagara System  
Georgian Bay System  
Eastern Ontario System  
Thunder Bay System  
Service and Administrative  
Buildings and Equipment

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STATEMENTS

Balance Sheet as at October 31, 1942.

Statements of Operations and Cost of Power for the Year ended  
October 31, 1942.

Schedules supporting the Balance Sheet as at October 31, 1942:

Fixed Assets—By Systems and Properties  
Capital Expenditures and Grants—Rural Power Districts  
Power Accounts Receivable  
Funded Debt Issued or Assumed  
Renewals Reserves  
Contingencies and Obsolescence Reserves  
Stabilization of Rates Reserves  
Sinking Fund Reserves  
Account with the Provincial Treasurer of the Province of Ontario

Statements for Municipalities Receiving Power under Cost Contracts

**THE HYDRO-ELECTRIC POWER**  
**BALANCE SHEET AS AT OCTOBER 31, 1942, IN**  
**Niagara System                      Georgian Bay System**

**ASSETS**

**FIXED ASSETS:**

Niagara system.....	\$249,457,493.40
Georgian Bay system.....	16,910,471.86
Eastern Ontario system.....	35,749,683.30
Thunder Bay system.....	20,269,328.34
Service and administrative buildings and equipment.....	4,440,275.28

\$326,827,252.18

Less: Grants-in-aid of construction:

Province of Ontario—for rural power districts..... 19,085,198.62

\$307,742,053.56

**INVESTMENTS:**

The Hamilton Street Railway Company—Capital stock....	\$ 3,000,000.00
Other investments.....	209,577.00

3,209,577.00

**CURRENT ASSETS:**

Cash in banks.....	\$ 2,219,887.57
Employees' working funds.....	64,904.80
Sundry accounts receivable.....	970,244.05
Power accounts receivable.....	4,437,680.65
Interest accrued.....	585,381.73

Consumers' and contractors' deposits:

Cash deposits..... \$ 13,852.94

Securities—at par value..... 667,099.19

680,952.13

Prepayments..... 72,398.67

9,031,449.60

**INVENTORIES:**

Construction and maintenance materials and supplies.....	\$ 2,722,458.39
Construction and maintenance tools and equipment.....	1,046,688.43
Office equipment.....	186,371.80

3,955,518.62

**DEFERRED ASSETS:**

Agreements and mortgages.....	\$ 125,653.13
Rural district loans.....	24,050.78
Work in progress—deferred work orders.....	191,802.34

341,506.25

UNAMORTIZED DISCOUNT ON DEBENTURES.....

396,064.82

**RESERVE FUNDS:**

Investments—Specific reserves..... \$ 47,636,301.59

Employers' Liability Insurance Fund:

Investments..... \$1,046,420.65

Deposits with the Workmen's Compensation Board..... 28,631.93

1,075,052.58

Pension Fund, Investments..... 7,015,267.85

55,726,622.02

**SINKING FUNDS:**

Deposits in the hands of trustees—including temporary investments..... 796,773.69

\$381,199,565.56



## COMMISSION OF

WHICH THE FOLLOWING PROPERTIES ARE INCLUDED:

Eastern Ontario System

Thunder Bay System

## LIABILITIES AND RESERVES

## LONG TERM LIABILITIES:

Funded debt issued or assumed.....	\$105,774,884.73	
Less—Debentures issued to finance Northern Ontario Properties.....	22,958,000.00	
		\$ 82,816,884.73
Advances from the Province of Ontario.....	\$130,435,565.39	
Less—Advances for Northern Ontario Properties.....	5,906,960.22	
		124,528,605.17
Purchase agreements, and mortgages.....		96,080.39
		<u>\$207,441,570.29</u>

## CURRENT LIABILITIES:

Accounts and payrolls payable.....	\$ 2,469,859.17	
Power accounts—credit balances.....	77,243.47	
Hamilton Street Railway Company—Current account.....	115,587.86	
Northern Ontario Properties—Current account.....	717,419.66	
Advances from the Province of Ontario for rural loans.....	22,572.42	
Consumers' and contractors' deposits.....	742,438.79	
Debenture interest accrued.....	791,705.98	
Miscellaneous interest accrued.....	3,066.03	
Miscellaneous accruals.....	82,807.10	
Rural power districts grants—not allocated.....	4,716.98	
		5,027,417.46
RURAL POWER DISTRICTS—Rates suspense, net.....		1,795,609.80
UNAMORTIZED PREMIUM ON DEBENTURES.....		<u>6,429.18</u>

## RESERVES:

Renewals.....	\$ 53,503,110.46	
Contingencies and obsolescence.....	21,709,359.78	
Stabilization of rates.....	13,537,874.46	
Fire insurance.....	106,688.28	
Investment—subsidiary.....	571,622.22	
		\$ 89,428,655.20
Employers' liability insurance.....	1,229,011.48	
Pension fund.....	7,833,123.66	
Miscellaneous.....	439,125.81	
		<u>98,929,916.15</u>

## SINKING FUND RESERVES:

Represented by:

Funded debt retired through sinking funds.....	\$ 26,619,741.80	
Provincial advances retired through sinking funds.....	40,582,107.19	
Deposits in the hands of trustees—Contra.....	796,773.69	
		67,998,622.68
		<u>\$381,199,565.56</u>

## Auditors' Certificate

We have examined the Accounts of The Hydro-Electric Power Commission of Ontario for the year ended the 31st October, 1942, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Commission's affairs at the 31st October, 1942, according to the best of our information and the explanations given to us, and as shown by the books and records of the Commission. We have obtained all the information and explanations we have required.

OSCAR HUDSON &amp; CO.,

Chartered Accountants,

Auditors

Dated at Toronto, Ontario,  
22nd April, 1943.

## THE HYDRO-ELECTRIC POWER

## Statement of Operations and Cost of Power for

System and property	Cost of power purchased	Operating, maintenance and administrative expenses	Interest	Provision for renewals	Provision for contingencies and obsolescence
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
NIAGARA SYSTEM:					
Municipalities .....	6,266,564.05	3,135,864.70	7,359,661.73	1,134,649.91	487,237.84
Rural power districts .....	374,494.21	274,225.98	546,872.76	103,648.38	38,790.01
Companies .....	2,995,189.78	1,284,687.90	2,130,088.16	365,382.05	5,852,727.55
Local distribution systems .....	15,720.68	41,705.99	30,221.16	7,947.88	3,674.49
Total .....	9,651,968.72	4,736,484.57	10,066,843.81	1,611,628.22	6,382,429.89
GEORGIAN BAY SYSTEM:					
Municipalities .....		368,809.10	358,990.65	101,215.48	80,556.76
Rural power districts .....	4,129.52	84,743.18	90,168.26	27,082.64	19,281.31
Companies .....	79,682.77	19,311.54	20,996.48	6,342.66	136,890.77
Local distribution systems .....		16,462.81	11,002.39	4,131.05	2,366.80
Total .....	83,812.29	489,326.63	481,157.78	138,771.83	239,095.64
EASTERN ONTARIO SYSTEM:					
Municipalities .....	849,881.12	648,081.24	619,847.09	170,207.57	208,386.30
Rural power districts .....	98,660.06	85,127.73	90,565.56	28,365.11	28,127.50
Companies .....	296,040.86	198,331.23	228,893.58	64,767.26	231,358.07
Local distribution systems .....	2,878.05	6,967.06	4,256.63	1,517.09	975.77
Total .....	1,247,460.09	938,507.26	943,562.86	264,857.03	468,847.64
THUNDER BAY SYSTEM:					
Municipalities .....		108,837.87	303,376.88	55,358.82	60,597.51
Rural power districts .....		2,365.90	7,341.51	1,494.06	1,342.25
Companies .....		174,599.97	507,452.16	88,226.51	113,902.64
Mining Area—Mines .....		52,907.17	135,541.69	14,324.22	103,607.85
Mining Area—Townsites .....		16,607.15	12,898.42	783.01	16,133.53
Total .....		355,318.06	966,610.66	160,186.62	295,583.78
COST OF DISTRIBUTION OF POWER WITHIN R.P.D.'s:					
Niagara system R.P.D. ....	*1,543,018.46	988,460.70	552,092.13	238,709.15	.....
Georgian Bay sys. R.P.D. ....	* 270,508.83	201,531.63	119,181.42	53,743.14	.....
Eastern Ontario system R.P.D. ....	* 395,402.20	333,888.71	180,417.66	86,582.02	.....
Thunder Bay sys. R.P.D. ....	* 14,866.49	14,994.87	12,110.24	4,952.03	.....
Total .....	*2,223,795.98	1,538,875.91	863,801.45	383,986.34	.....
RURAL LINES OPERATED BY MUNICIPALITIES:					
Niagara rural lines .....			845.80	401.17	200.59
Georgian Bay rural lines .....			48.22	18.44	9.22
Total .....			894.02	419.61	209.81
Total for all systems .....	13,207,037.08	8,058,512.43	13,322,870.58	2,559,849.65	7,386,166.76
R.P.D.'s eliminations .....	*(2,223,795.98)				
Net total for all systems .....	10,983,241.10	8,058,512.43	13,322,870.58	2,559,849.65	7,386,166.76
GRAND SUMMARY:					
Niagara system .....	9,651,968.72	5,724,945.27	10,619,781.74	1,850,738.54	6,382,630.48
Georgian Bay system .....	83,812.29	690,858.26	600,387.42	192,533.41	239,104.86
Eastern Ontario system .....	1,247,460.09	1,272,395.97	1,123,980.52	351,439.05	468,847.64
Thunder Bay system .....		370,312.93	978,720.90	165,138.65	295,583.78
Total .....	10,983,241.10	8,058,512.43	13,322,870.58	2,559,849.65	7,386,166.76

## COMMISSION OF ONTARIO

Each System for the Year ended October 31, 1942.

Provision for stabiliza- tion of rates	Provision for sinking fund	Operating balance in respect of power sold to private companies	Total cost	Amount received from (or billed against) municipalities and other customers	Amount remaining to be credited or charged to municipalities	
					Credited	Charged
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,847,200.60	1,667,119.56	(494,136.31)	21,404,162.08	21,802,395.60	451,213.93	52,980.41
110,390.00	124,127.05	(29,529.93)	*1,543,018.46	*1,543,018.46	.....	.....
.....	479,224.39	509,315.05	13,616,614.88	13,616,614.88	.....	.....
.....	6,878.27	14,351.19	120,499.66	120,499.66	.....	.....
1,957,590.60	2,277,349.27	.....	36,684,295.08	37,082,528.60	451,213.93	52,980.41
95,646.00	88,513.51	3,829.61	1,097,561.11	1,146,028.46	54,920.36	6,453.01
22,049.40	22,171.68	882.84	* 270,508.83	* 270,508.83	.....	.....
.....	5,162.97	(2,585.58)	265,801.61	265,801.61	.....	.....
.....	2,705.40	(2,126.87)	34,541.58	34,541.58	.....	.....
117,695.40	118,553.56	.....	1,668,413.13	1,716,880.48	54,920.36	6,453.01
306,508.80	158,697.00	14,529.20	2,976,138.32	3,050,348.50	108,313.81	34,103.63
39,542.70	23,139.13	1,874.41	* 395,402.20	* 395,402.20	.....	.....
.....	57,491.72	(23,482.86)	1,053,399.86	1,053,399.86	.....	.....
.....	1,087.55	7,079.25	24,761.40	24,761.40	.....	.....
346,051.50	240,415.40	.....	4,449,701.78	4,523,911.96	108,313.81	34,103.63
47,257.35	65,408.85	(10,206.46)	630,630.82	662,914.06	32,283.24	.....
946.65	1,580.57	(204.45)	* 14,866.49	* 14,866.49	.....	.....
.....	107,768.19	10,410.91	1,002,360.38	1,002,360.38	.....	.....
89,616.01	19,834.10	.....	415,831.04	415,831.04	.....	.....
(585.78)	1,084.20	.....	46,920.53	46,920.53	.....	.....
137,234.23	195,675.91	.....	2,110,609.26	2,142,892.50	32,283.24	.....
.....	126,739.64	.....	3,449,020.08	3,626,530.90	177,510.82	.....
.....	29,305.81	.....	674,270.83	604,965.50	.....	69,305.33
.....	46,095.93	.....	1,042,386.52	1,067,573.12	25,186.60	.....
.....	2,607.24	.....	49,530.87	47,424.49	.....	2,106.38
.....	204,748.62	.....	5,215,208.30	5,346,494.01	202,697.42	71,411.71
.....	361.05	.....	1,808.61	1,808.61	.....	.....
.....	16.60	.....	92.48	92.48	.....	.....
.....	377.65	.....	1,901.09	1,901.09	.....	.....
2,558,571.73	3,037,120.41	.....	50,130,128.64	50,814,608.64	849,428.76	164,948.76
.....	.....	.....	*(2,223,795.98)	*(2,223,795.98)	.....	.....
2,558,571.73	3,037,120.41	.....	47,906,332.66	48,590,812.66	849,428.76	164,948.76
1,957,590.60	2,404,449.96	.....	38,592,105.31	39,167,849.65	628,724.75	52,980.41
117,695.40	147,875.97	.....	2,072,267.61	2,051,429.63	54,920.36	75,758.34
346,051.50	286,511.33	.....	5,096,686.10	5,196,082.88	133,500.41	34,103.63
137,234.23	198,283.15	.....	2,145,273.64	2,175,450.50	32,283.24	2,106.38
2,558,571.73	3,037,120.41	.....	47,906,332.66	48,590,812.66	849,428.76	164,948.76



## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1942

## NIAGARA SYSTEM

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:					
Niagara river:					
Queenston-Chippawa.....	129,430.27	125,278.14	47,948,280.54	28,879,644.11	76,953,202.79
Ontario Power.....	19,816.28	7,640.63	7,281,151.42	14,431,328.46	21,720,120.51
Toronto Power.....	45,394.30	6,542.85	3,823,491.60	7,634,054.18	11,464,088.63
Ottawa river:					
Chats Falls.....	25,213.35	18,743.17	818,846.00	6,308,672.42	7,146,261.59
Des Joachims power site survey..	107,913.67	107,913.67			107,913.67
Welland canal:					
DeCew Falls.....	2,124,027.18	2,154,789.44	8,398,571.92	3,347,228.25	13,900,589.61
Hamilton steam plant.....	502,300.12				
Long Lake diversion.....	1,503.31		258,770.30	615,982.52	874,752.82
Ogoki diversion.....	2,517,111.53		3,840,257.38		3,840,257.38
Preliminary river surveys.....	38,393.36		858,229.45		858,229.45
	4,117,221.43	2,420,907.90	73,227,598.61	61,216,909.94	136,865,416.45
Transformer stations:					
Southern Ontario stations.....	1,075,149.75	176,255.09	299,446.38	32,232,885.34	32,708,586.81
Eastern power supply stations.....	2,047,137.31	1,229,907.18		13,664,998.23	14,894,905.41
	3,122,287.06	1,406,162.27	299,446.38	45,897,883.57	47,603,492.22
Transmission lines:					
Southern Ontario:					
Right-of-way.....	102,869.27		7,115,841.49		7,115,841.49
Lines.....	97,561.99	79,983.99	15,288.22	19,212,209.68	19,307,481.89
Eastern power supply:					
Right-of-way.....	82,621.96		2,481,462.18		2,481,462.18
Lines.....	162,664.19			11,906,820.20	11,906,820.20
	445,717.41	79,983.99	9,612,591.89	31,119,029.88	40,811,605.76
Local Systems:					
Niagara peninsula.....	92,141.69	4,228.36		215,712.21	219,940.57
Sub-total.....	7,593,084.21	3,911,282.52	83,139,636.88	138,449,535.60	225,500,455.00
Rural Power Districts:					
H-E.P.C. investment.....	132,117.93	67.00	36,304.50	11,984,927.93	12,021,299.43
Government grants.....	125,602.96			11,915,680.55	11,915,680.55
	257,720.89	67.00	36,304.50	23,900,608.48	23,936,979.98
Rural Lines:					
Welland and Milton.....				20,058.42	20,058.42
	7,850,805.10	3,911,349.52	83,175,941.38	162,370,202.50	249,457,493.40

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	225,439,382.60	61,072.40	225,500,455.00
Rural Operating schedules.....	12,082,371.83	61,072.40	12,021,299.43
Rural Lines schedules.....	20,058.42		20,058.42

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1942

## GEORGIAN BAY SYSTEM

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:					
Muskoka river (below lake):					
Bala No. 1 and No. 2.....	66.04		70,468.43	43,932.77	114,401.20
Ragged Rapids.....	2,585.77		70,889.49	1,253,654.15	1,324,543.64
Big Eddy.....	184,933.93		170,467.76	1,108,623.29	1,279,091.05
Lands and water rights: (Ragged Rapids, Big Eddy plants, Sandy Grey and Go Home sites)			47,824.81		47,824.81
Severn river:					
Wasdells.....	535.17		15,302.32	132,715.92	148,018.24
Big Chute.....	1,024.42		122,540.48	562,201.58	684,742.06
Preliminary surveys.....			4,107.56		4,107.56
Beaver river:					
Eugenia.....	39,588.12	38,273.20	148,980.43	1,140,594.08	1,327,847.71
Saugeen river:					
Hanover.....			10,000.00		10,000.00
Walkerton.....	4,015.21		100,372.31	117,902.32	218,274.63
Southampton.....			132,488.58		132,488.58
Muskoka river (above lake):					
South Falls.....	1,912.53		17,934.95	436,674.95	454,609.90
Trethewey Falls.....	352.96		51,549.45	305,718.47	357,267.92
Hanna Chute.....	392.55		34,756.73	207,714.10	242,470.83
Hollow Lake dam.....			16,622.32	29,540.16	46,162.48
Preliminary surveys.....			14,912.93		14,912.93
Sauble river:					
Lands and rights.....	637.67		4,200.00		4,200.00
Gull river:					
Lands and rights.....	550.00		5,309.20		5,309.20
	225,783.77	38,273.20	1,038,727.75	5,339,271.79	6,416,272.74
Transformer Stations.....	154,420.60	6,776.61		2,082,919.16	2,089,695.77
Transmission Lines.....	53,065.16	17.04		2,919,521.23	2,919,538.27
Local Systems.....	2,901.88	1,626.85		106,534.12	108,160.97
Sub-total.....	436,171.41	46,693.70	1,038,727.75	10,448,246.30	11,533,667.75
Rural Power Districts:					
H.E.P.C. investment.....	31,712.77			2,771,837.47	2,771,837.47
Government grants.....	31,365.56			2,604,044.62	2,604,044.62
	63,078.33			5,375,882.09	5,375,882.09
Rural Lines:					
Brechin.....				922.02	922.02
	499,249.74	46,693.70	1,038,727.75	15,825,050.41	16,910,471.86

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	11,514,061.55	19,606.20	11,533,667.75
Rural Operating schedules.....	2,791,443.67	19,606.20	2,771,837.47
Rural Lines schedules.....	922.02		922.02

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1942

## EASTERN ONTARIO SYSTEM

Property	Net capital expendi- tures in the year	Fixed Assets			
		Under construc- tion	In service		Total
			Non- depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Power Plants:					
Fenelon river:					
Fenelon Falls.....	527.11		60,000.00	91,789.11	151,789.11
Otonabee river:					
Auburn.....	1,194.46		31,400.00	290,275.05	321,675.05
Douro.....				68,478.30	68,478.30
Lakefield.....	631.65		19,620.05	217,929.40	237,549.45
Young's Point.....	500.00		1,980.81	7,813.69	9,794.50
Trent river:					
Heely Falls.....	3,369.37	375.43		1,188,421.26	1,188,796.69
Seymour.....	888.03			297,982.79	297,982.79
Ranney Falls.....	2,599.08			1,364,146.25	1,364,146.25
Ranney Falls No. 3.....			18,596.20	54,489.18	73,085.38
Crow river.....			1,000.00		1,000.00
Hagues Reach.....	1,449.96			572,852.30	572,852.30
Meyersburg.....	706.14			837,955.91	837,955.91
Sills Island.....	28,352.13		38,679.36	283,922.54	322,601.90
Frankford.....	50.99			252,723.83	252,723.83
Sidney.....	490.78			252,061.08	252,061.08
Mississippi river:					
High Falls.....	13,789.72		13,113.84	705,967.22	719,081.06
Carleton Place.....			9,929.06	47,817.10	57,746.16
Galetta.....			20,000.00	128,118.21	148,118.21
Madawaska river:					
Barrett Chute.....	2,272,087.36		673,134.10	3,591,604.69	4,264,738.79
Calabogie.....	851.44		80,825.74	676,631.51	757,457.25
Bark Lake dam.....	842,443.86		494,946.23	736,141.51	1,231,087.74
Kaministeg Lake dam.....	1,305.61	1,305.61		1,795.46	3,101.07
Undeveloped sites.....			650,000.00		650,000.00
Preliminary river surveys.....	7,992.38		124,231.85		124,231.85
Miscellaneous.....	13.12	13.00		43,298.55	43,311.55
Intangible.....			2,217,761.29		2,217,761.29
	3,136,740.41	1,694.04	4,455,218.53	11,712,214.94	16,169,127.51
Transformer Stations.....	234,662.29	3,910.65	76,296.26	4,455,481.86	4,535,688.77
Transmission Lines.....	176,915.77	3,241.72	442,208.37	5,878,358.81	6,323,808.90
Local Systems.....	152.03		703.00	31,183.67	31,886.67
Sub-total.....	3,548,470.50	8,846.41	4,974,426.16	22,077,239.28	27,060,511.85
Rural Power Districts:					
H.E.P.C. investment.....	75,414.37			4,372,455.32	4,372,455.32
Government grants.....	73,235.58			4,316,716.13	4,316,716.13
	148,649.95			8,689,171.45	8,689,171.45
	3,697,120.45	8,846.41	4,974,426.16	30,766,410.73	35,749,683.30

	Cost statements	Transfers for cost purposes	Fixed assets as above
	\$ c.	\$ c.	\$ c.
Cost of Power schedules.....	27,023,080.33	37,431.52	27,060,511.85
Rural Operating schedules.....	4,409,886.84	37,431.52	4,372,455.32



## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1942

## THUNDER BAY SYSTEM

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
Power Plants:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Nipigon river:					
Cameron Falls.....	3,126.71		857,418.84	9,057,502.53	9,914,921.37
Alexander.....	1,400.29		76,898.44	5,268,262.59	5,345,161.03
Virgin Falls dam.....			55,450.41	426,736.74	482,187.15
Preliminary Surveys.....	30,242.35				
	34,769.35		989,767.69	14,752,501.86	15,742,269.55
Transformer Stations.....	10,288.22		356,733.98	903,023.40	1,259,757.38
Transmission Lines.....	2,025.47		959,650.42	1,722,866.87	2,682,517.29
Local Systems.....	1,772.85		87,269.47		87,269.47
Sub-total.....	45,310.19		2,393,421.56	17,378,392.13	19,771,813.69
Rural Power Districts:					
H-E.P.C. investments.....	5,574.32			248,757.33	248,757.33
Government grants.....	5,574.32			248,757.32	248,757.32
	11,148.64			497,514.65	497,514.65
	34,161.55		2,393,421.56	17,875,906.78	20,269,328.34

	Cost statements	Fixed assets (as above)
	\$ c.	\$ c.
Cost of Power schedules.....	19,771,813.69	19,771,813.69
Rural Operating schedules.....	248,757.33	248,757.33

## ADMINISTRATIVE AND SERVICE BUILDINGS AND EQUIPMENT

Property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
Administrative Building:	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Toronto:					
University avenue.....	122,652.55		224,155.48	2,677,917.92	2,902,073.40
Elm and Centre streets.....				160,821.95	160,821.95
	122,652.55		224,155.48	2,838,739.87	3,062,895.35
Service Buildings and Equipment:					
Toronto:					
Strachan avenue.....	10,574.10			551,984.14	551,984.14
1379 Bloor Street west.....	23,003.33			53,150.71	53,150.71
Cobourg.....				22,245.08	22,245.08
Hamilton.....			750,000.00		750,000.00
	12,429.23		750,000.00	627,379.93	1,377,379.93
	110,223.32		974,155.48	3,466,119.80	4,440,275.28

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Fixed Assets—October 31, 1942

## SUMMARY

System or property	Net capital expenditures in the year	Fixed Assets			
		Under construction	In service		Total
			Non-depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Niagara system.....	7,850,805.10	3,911,349.52	83,175,941.38	162,370,202.50	249,457,493.40
Georgian Bay system.....	499,249.74	46,693.70	1,038,727.75	15,825,050.41	16,910,471.86
Eastern Ontario system.....	3,697,120.45	8,846.41	4,974,426.16	30,766,410.73	35,749,683.30
Thunder Bay system.....	34,161.55	.....	2,393,421.56	17,875,906.78	20,269,328.34
Service and administrative buildings and equipment.....	110,223.32	.....	974,155.48	3,466,119.80	4,440,275.28
	12,123,237.06	3,966,889.63	92,556,672.33	230,303,690.22	326,827,252.18
Less: Grants in aid of construction: Province of Ontario for rural power districts.....	235,778.42	.....	.....	19,085,198.62	19,085,198.62
	11,887,458.64	3,966,889.63	92,556,672.33	211,218,491.60	307,742,053.56

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

CAPITAL EXPENDITURES AND GRANTS—RURAL POWER DISTRICTS

Summary at October 31, 1942

Statement showing the Total Capital Expenditures to October 31, 1942, on the construction of Primary and Secondary lines in Rural Power Districts; the portion thereof in course of construction, and the investment in lines in operation; also the amounts of the Grants (fifty per cent of both Primary and Secondary lines) paid or payable to the Commission by the Province of Ontario up to October 31, 1942.

System	Total capital expenditure	In course of construction	In operation	Grants (50% of Primary and Secondary lines) paid or payable by the Province as authorized by Orders-in-Council*
	\$ c.	\$ c.	\$ c.	\$ c.
Niagara system.....	23,936,979.98	67.00	23,936,912.98	11,915,680.55
Georgian Bay system.....	5,375,882.09		5,375,882.09	2,604,044.62
Eastern Ontario system.....	8,689,171.45		8,689,171.45	4,316,716.13
Thunder Bay system.....	497,514.65		497,514.65	248,757.32
Sub-total.....	38,499,548.17	67.00	38,499,481.17	19,085,198.62
Northern Ontario Properties..	796,446.51		796,446.51	395,192.50
Totals.....	39,295,994.68	67.00	39,295,927.68	19,480,391.12

\*Grants not made by Province in respect of a summer resort, street lighting systems in 71 districts, service buildings in 8 districts, amounts paid for business already established (hereinafter called Intangible Assets) in 11 rural distribution systems purchased from private companies and transformer station in 1 district.

NOTE:

The Grants paid over by the Province to the Commission up to October 31, 1942 on account of authorized grants to rural power districts—amount to.....\$19,485,108.10

The Grants payable by the Province—as above set out—in respect of rural power districts as at October 31, 1942, amount in the aggregate to.....19,480,391.12

A balance of.....\$ 4,716.98

Which balance represents:

Grant funds in the hands of the Commission at October 31, 1942, not allocated, but to apply against the construction of authorized rural power districts and extension to existing districts.....\$ 4,716.98



## THE HYDRO-ELECTRIC POWER

## Power Accounts Receivable

System or property	Interim power bills	Accumulated amount standing as a charge or credit on October 31, 1942		Net total for wholesale consumers
		Charge	Credit	
NIAGARA SYSTEM:	\$ c.	\$ c.	\$ c.	\$ c.
Municipalities.....	1,947,435.07	57,152.07	451,213.93	1,553,373.21
Companies.....	1,113,839.15	.....	.....	1,113,839.15
Local and rural.....	.....	.....	.....	.....
	3,061,274.22	57,152.07	451,213.93	2,667,212.36
GEORGIAN BAY SYSTEM:				
Municipalities.....	153,809.78	6,453.01	54,920.36	105,342.43
Companies.....	22,899.74	.....	.....	22,899.74
Local and rural.....	.....	.....	.....	.....
	176,709.52	6,453.01	54,920.36	128,242.17
EASTERN ONTARIO SYSTEM:				
Municipalities.....	326,596.93	34,103.63	108,313.81	252,386.75
Companies.....	104,037.45	.....	.....	104,037.45
Local and rural.....	.....	.....	.....	.....
	430,634.38	34,103.63	108,313.81	356,424.20
THUNDER BAY SYSTEM:				
Municipalities.....	25,163.14	.....	32,283.24	(7,120.10)
Companies.....	67,824.23	.....	.....	67,824.23
Local and rural.....	.....	.....	.....	.....
	92,987.37	.....	32,283.24	60,704.13
Grand totals.....	3,761,605.49	97,708.71	646,731.34	3,212,582.86

COMMISSION OF ONTARIO

—October 31, 1942

Retail power consumers— local and rural districts	Net total of power accounts receivable	Debit balances	Credit balances	Debit balances three months or more overdue
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,553,373.21	1,579,226.42	25,853.21	4,171.66
.....	1,113,839.15	1,113,839.15	.....	7,459.41
706,824.96	706,824.96	706,824.96	.....	.....
706,824.96	3,374,037.32	3,399,890.53	25,853.21	11,631.07
.....	105,342.43	108,017.66	2,675.23	.....
.....	22,899.74	22,899.74	.....	.....
169,592.38	169,592.38	169,592.38	.....	8,206.77
169,592.38	297,834.55	300,509.78	2,675.23	8,206.77
.....	252,386.75	256,021.98	3,635.23	.....
.....	104,037.45	104,037.45	.....	104.53
258,963.33	258,963.33	258,963.33	.....	12,081.13
258,963.33	615,387.53	619,022.76	3,635.23	12,185.66
.....	(7,120.10)	37,959.70	45,079.80	.....
.....	67,824.23	67,824.23	.....	.....
12,473.65	12,473.65	12,473.65	.....	1,609.12
12,473.65	73,177.78	118,257.58	45,079.80	1,609.12
1,147,854.32	4,360,437.18	4,437,680.65	77,243.47	33,632.62

## THE HYDRO-ELECTRIC POWER

## Funded Debt Issued or

Description	Application of proceeds	Date of issue
3½% H-E.P.C. debentures.....	Refunding D.P. & T. and E.D. Companies	Jan. 1, 1935
5% Ontario Power Company bonds..	Ontario Power Company	Feb. 1, 1903
2½% H-E.P.C. serial debentures....	Refunding H-E.P.C. 1941 debentures and financing plant extensions..	Feb. 15, 1941
2½% and 3% H-E.P.C. serial debentures.....	Refunding H-E.P.C. 1941 and 1942 debentures	May 1, 1942
2½% and 3% H-E.P.C. serial debentures.....	Refunding Province of Ont. advances	Aug. 1, 1942
2½% H-E.P.C. debentures.....	Refunding Province of Ont. advances, etc.	June 15, 1935
5% Ontario Transmission Co. bonds.	Ontario Transmission Co.	May 1, 1905
3% H-E.P.C. debentures.....	Financing plant extensions	Aug. 1, 1938
3¼% " " .....	Refunding Toronto Power Co.	Feb. 1, 1938
4% " " .....	Ontario Power Company	Aug. 1, 1917
4% " " .....	Essex system	June 1, 1918
4% " " .....	Thorold system	Dec. 1, 1918
4¾% " " .....	Dominion Power & Transmission Company	Jan. 1, 1930
Municipal debentures assumed.....		
Funded debt as shown on the		
Balance Sheet of The Hydro-		
Electric Power Commission of		
Ontario.....		
NORTHERN ONTARIO PROPERTIES:		
2½% H-E.P.C. debentures.....	Refunding Ontario Power Service Corp'n.	April 1, 1937
2½% " serial debentures....	Refunding H-E.P.C. 1941 debentures	Feb. 15, 1941
2½% and 3% H-E.P.C. serial debentures.....	Refunding H-E.P.C. 1942 debentures	May 1, 1942
2½% and 3% H-E.P.C. serial debentures.....	Refunding Province of Ontario advances	Aug. 1, 1942
3½% H-E.P.C. debentures.....	Refunding Ontario Power Service Corp'n and financing plant extensions	April 1, 1937
3% " " .....	Financing plant extensions	Aug. 1, 1938
Funded debt relating to all prop-		
erties vested in, or operated by,		
the Commission.....		



## COMMISSION OF ONTARIO

Assumed—October 31, 1942

Date of maturity	Matured and/or paid during year	Principal outstanding October 31, 1942	Interest for the year 1941-1942	Interest accrued October 31, 1942
	\$ c.	\$ c.	\$ c.	\$ c.
Jan 1, 1943	.....	10,000,000.00	350,000.00	116,666.66
Feb. 1, 1943	.....	7,404,000.00	370,175.00	92,550.00
Feb. 15, 1943- 1949	1,500,000.00	10,500,000.00	273,437.50	54,687.50
May 1, 1943- 1952	.....	2,500,000.00	33,125.00	.....
Aug. 1, 1943- 1947	.....	4,427,000.00	29,882.25	29,882.25
June 15, 1944	.....	10,000,000.00	250,000.00	93,750.00
May 1, 1945	50,000.00	1,081,000.00	54,700.00	.....
Aug. 1, 1948	.....	7,740,000.00	232,200.00	58,050.00
Feb. 1, 1953	.....	9,000,000.00	292,500.00	73,125.00
Aug. 1, 1957	.....	8,000,000.00	320,000.00	80,000.00
June 1, 1958	.....	200,000.00	8,000.00	3,333.34
Dec. 1, 1958	.....	100,000.00	4,000.00	1,666.67
Jan. 1, 1970	.....	11,864,000.00	563,540.00	187,847.89
.....	1,550,000.00 399.02	82,816,000.00 884.73	2,781,559.75 440.00	791,559.31 146.67
.....	1,550,399.02	82,816,884.73	2,781,999.75	791,705.98
.....	.....	.....	.....	.....
April 1, 1942	11,000,000.00	.....	114,583.34	.....
Feb. 15, 1943- 1949	375,000.00	2,625,000.00	68,359.37	13,671.87
May 1, 1943- 1952	.....	7,500,000.00	99,375.00	.....
Aug. 1, 1943- 1947	.....	73,000.00	492.75	492.75
.....	.....	8,000,000.00	280,000.00	23,333.33
April 1, 1947	.....	4,760,000.00	142,800.00	35,700.00
Aug. 1, 1948	.....	.....	.....	.....
.....	11,375,000.00	22,958,000.00	705,610.46	73,197.95
.....	12,925,399.02	105,774,884.73	3,487,610.21	864,903.93

## THE HYRO-ELECTRIC POWER

## Renewals Reserves

	Niagara system	Georgian Bay system
Balances at November 1, 1941.....	\$ c. 36,830,605.99	\$ c. 2,820,250.04
Transferred during the year.....		
Provision in the year—direct.....	1,850,738.54	192,533.41
indirect.....		
Interest at 4% on reserves' balances.....	1,473,224.24	112,810.00
Adjustments re transfer of equipment.....	(128,988.86)	(80,593.32)
Sub-total.....	40,025,579.91	3,045,000.13
Expenditures for the year.....	352,113.72	164,481.84
Balances at October 31, 1942.....	39,673,466.19	2,880,518.29
Account balances:		
Power plants, transmission lines and transformer stations.....	35,032,618.26	2,324,375.92
Rural power districts.....	4,631,076.77	555,705.35
Rural lines.....	9,771.16	437.02
Administrative office buildings.....		
Service buildings and equipment.....		
	39,673,466.19	2,880,518.29

## THE HYDRO-ELECTRIC POWER

## Contingencies and Obsolescence

	Niagara system	Georgian Bay system
Balances at November 1, 1941.....	\$ c. 9,535,346.57	\$ c. 773,426.96
Add:		
Hamilton Street Railway—		
Interest on Commission's investment in capital stock for the years 1933, 1935 and 1936 plus improvement thereon.....	530,960.71	.....
Transferred during the year.....	10,066,307.28	773,426.96
Provision in the year as per cost statement.....	116,219.81	81,666.97
Interest at 4% on reserves' balances.....	6,382,630.48	239,104.86
	381,413.86	30,937.08
Sub-total.....	16,946,571.43	1,125,135.87
Contingencies met with during the year.....	1,041,019.76	128,584.43
Terminal building, Hamilton.....	28,512.97	.....
Balances at October 31, 1942.....	15,877,038.70	996,551.44
Account balances:		
Power plants, transmission lines, transformer stations and rural power districts.....	15,872,313.78	996,363.83
Rural lines.....	4,724.92	187.61
	15,877,038.70	996,551.44

## COMMISSION OF ONTARIO

—October 31, 1942

Eastern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
\$ c. 6,118,634.73 6,000.00 351,439.05 ..... 244,745.39 770.44	\$ c. 3,289,459.31 ..... 165,138.65 ..... 131,578.37 .....	\$ c. 662,849.19 ..... 21,146.41 16,326.01 .....	\$ c. 49,721,799.26 6,000.00 2,559,849.65 21,146.41 1,978,684.01 (208,811.74)
6,721,589.61 53,979.06	3,586,176.33 1,202.98	700,321.61 3,779.53	54,078,667.59 575,557.13
6,667,610.55	3,584,973.35	696,542.08	53,503,110.46
5,543,083.50 1,124,527.05 ..... ..... .....	3,550,679.87 34,293.48 ..... ..... .....	..... ..... 246,474.18 450,067.90	46,450,757.55 6,345,602.65 10,208.18 246,474.18 450,067.90
6,667,610.55	3,584,973.35	696,542.08	53,503,110.46

## COMMISSION OF ONTARIO

Reserves—October 31, 1942

Eastern Ontario system	Thunder Bay system	Totals for power undertakings operated on a "cost basis"
\$ c. 1,896,884.49 .....	\$ c. 2,064,679.62 .....	\$ c. 14,270,337.64  530,960.71
1,896,884.49 4,311.08 468,847.64 75,875.38	2,064,679.62 ..... 295,583.78 82,587.19	14,801,298.35 202,197.86 7,386,166.76 570,813.51
2,445,918.59 42,511.74 .....	2,442,850.59 10,487.80 .....	22,960,476.48 1,222,603.73 28,512.97
2,403,406.85	2,432,362.79	21,709,359.78
2,403,406.85 .....	2,432,362.79 .....	21,704,447.25 4,912.53
2,403,406.85	2,432,362.79	21,709,359.78



	Niagara system	Georgian Bay system
Balances at November 1, 1941.....	\$ c. 53,217,540.66	\$ c. 2,221,888.34
Provision in the year—direct.....	2,404,449.96	147,875.97
indirect.....		
Interest at 4% on reserves' balances.....	2,128,701.63	88,875.53
Balances at October 31, 1942.....	57,750,692.25	2,458,639.84
Account balances:		
Systems.....	56,143,863.45	2,229,570.67
Rural power districts.....	1,587,589.21	228,461.10
Rural lines.....	19,239.59	608.07
Administrative office buildings.....		
Service buildings and equipment.....		
	57,750,692.25	2,458,639.84

## COMMISSION OF ONTARIO

—October 31, 1942

Eastern Ontario system	Thunder Bay		Total for power undertakings operated on a "cost basis"
	System	Mining area	
\$ c. 1,408,527.49 346,051.50 56,341.10	\$ c. 294,946.86 48,204.00 11,797.87	\$ c. 209,651.24 89,030.23 8,386.05	\$ c. 10,557,021.86 2,558,571.73 422,280.87
1,810,920.09	354,948.73	307,067.52	13,537,874.46
1,810,920.09	354,948.73	307,067.52	13,537,874.46

## COMMISSION OF ONTARIO

—October 31, 1942

Eastern Ontario system	Thunder Bay system	Service and administrative buildings and equipment	Totals for power undertakings operated on a "cost basis"
\$ c. 3,358,358.39 286,511.33 ..... 134,334.33	\$ c. 3,033,723.94 198,283.15 ..... 121,348.96	\$ c. 593,874.67 ..... 39,100.83 23,754.99	\$ c. 62,425,386.00 3,037,120.41 39,100.83 2,497,015.44
3,779,204.05	3,353,356.05	656,730.49	67,998,622.68
3,374,396.21 404,807.84 ..... .....	3,339,678.22 13,677.83 ..... .....	..... ..... 420,865.77 235,864.72	65,087,508.55 2,234,535.98 19,847.66 420,865.77 235,864.72
3,779,204.05	3,353,356.05	656,730.49	67,998,622.68

## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

Account with

The Provincial Treasurer of the Province of Ontario

As at October 31, 1942

## ADVANCES FROM THE PROVINCE OF ONTARIO

	Total	Northern Ontario Properties operated for the Province of Ontario	Niagara and other systems operated on a "cost basis"
	\$ c.	\$ c.	\$ c.
ADVANCES FOR CAPITAL EXPENDITURES:			
Cash advances made by the Province to the Commission for capital expenditures purposes during the years 1909 to 1934, inclusive. ....	207,250,258.34	8,331,113.46	198,919,144.88
Cash returned by the Commission to the Province on April 30, 1935, to cover the difference between advances made by the Province to the Commission during the year ended October 31, 1934, and the capital expenditures made out of such advances by the Commission in that year. ....	247,507.98	74,001.99	173,505.99
Total advances for capital expenditures. ....	207,002,750.36	8,257,111.47	198,745,638.89
REPAYMENTS OF ADVANCES—1926 TO 1933:			
Cash repayments made by the Commission to the Province during the years 1926 to 1933 inclusive, which have been applied in each subsequent year to reduce the Commission's share in maturing Provincial obligations. ....	17,008,616.73	3,061.39	17,005,555.34
Commission's share in Provincial Bonds at October 31, 1934. ....	189,994,133.63	8,254,050.08	181,740,083.55
REPAYMENTS OF ADVANCES:			
Retirements of Commission's share of Provincial bonds matured in the period November 1, 1934, to October 31, 1942:			
In year ended Oct. 31, 1935. . . \$ 3,946,628.69			
" " " " 1936. . . 21,998,092.45			
" " " " 1937. . . 13,557,615.63			
" " " " 1938. . . 1,777,019.93			
" " " " 1939. . . 2,151,516.02			
" " " " 1940. . . 1,756,175.77			
" " " " 1941. . . 7,739,894.75			
" " " " 1942. . . 6,631,625.00			
	59,558,568.24	2,347,089.86	57,211,478.38
Commission's share in Provincial Bonds at October 31, 1942. ....	130,435,565.39	5,906,960.22	124,528,605.17



## THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

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### STATEMENTS FOR MUNICIPALITIES RECEIVING POWER UNDER COST CONTRACTS

For the Year ended October 31, 1942

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### STATEMENTS FOR EACH SYSTEM

Cost of Power

Credit or Charge

Sinking Fund

Rural Operating

## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1941	From Jan. 1, 1942			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Acton.....	28.50	28.50	319,835.56	1,537.9	10,434.55	6,932.32	14,475.45
Agincourt.....	35.50	32.00	41,473.56	197.0	1,336.63	940.97	1,854.60
Ailsa Craig.....	44.00	40.00	34,650.01	126.0	854.90	958.41	1,561.54
Alvinston.....	63.00	52.00	33,097.15	100.2	679.85	1,233.05	1,475.34
Amherstburg.....	33.50	32.00	221,087.10	914.1	6,202.11	4,555.37	10,013.94
Ancaster Township	27.50	27.50	69,231.66	357.5	2,425.61	1,665.83	3,117.02
Arkona.....	65.00	52.00	24,144.84	62.5	424.06	858.18	1,100.75
Aylmer.....	30.50	30.00	176,137.70	829.2	5,626.06	4,708.38	8,151.13
Ayr.....	29.50	29.50	48,979.64	212.4	1,441.12	1,535.87	2,263.92
Baden.....	28.50	28.50	105,178.45	518.8	3,520.02	2,413.62	4,784.65
Beachville.....	28.50	28.50	137,827.28	657.4	4,460.41	2,960.95	6,161.05
Beamsville.....	26.00	26.00	72,246.02	408.0	2,768.25	1,497.19	3,280.86
Belle River.....	34.50	32.50	42,700.46	178.4	1,210.43	1,072.92	1,930.19
Blenheim.....	34.50	32.50	115,557.45	514.3	3,489.49	3,384.63	5,229.72
Blyth.....	44.00	42.00	39,780.51	130.8	887.47	1,130.19	1,803.78
Bolton.....	38.50	35.00	46,346.04	189.8	1,287.78	1,062.30	2,098.45
Bothwell.....	42.50	38.00	33,290.80	133.2	903.75	1,173.03	1,494.99
Brampton.....	27.00	26.00	520,721.20	2,862.7	19,423.22	11,296.36	23,581.87
Brantford.....	23.50	23.50	3,517,229.49	19,726.6	133,843.62	68,815.24	160,442.02
Brantford twp....	27.50	27.50	180,427.84	1,009.8	6,851.42	7,326.98	8,225.75
Bridgeport.....	31.50	31.50	33,752.33	147.1	998.06	725.89	1,535.01
Brigden.....	55.00	48.00	27,675.37	84.9	576.04	932.87	1,245.24
Brussels.....	44.00	42.00	42,131.13	143.7	974.99	1,206.13	1,908.79
Burford.....	30.50	30.50	47,516.46	227.6	1,544.25	1,269.38	2,155.24
Burgessville.....	48.00	48.00	13,277.07	44.1	299.22	436.46	605.83
Caledonia.....	27.50	27.50	75,941.00	372.0	2,523.99	1,645.82	3,437.18
Campbellville.....	50.00	50.00	12,418.51	36.8	249.69	508.77	565.54
Cayuga.....	42.00	39.00	39,567.49	130.9	888.15	890.27	1,781.35
Chatham.....	26.50	26.50	1,267,772.19	6,568.0	44,563.43	28,200.47	57,631.28
Chippawa.....	21.50	21.50	46,588.60	329.8	2,237.67	1,036.90	2,101.65
Clifford.....	50.00	46.00	33,506.64	99.5	675.10	1,319.11	1,519.47
Clinton.....	33.50	32.50	150,152.25	643.1	4,363.39	4,220.44	6,820.49
Comber.....	41.50	40.00	37,725.24	136.4	925.46	1,092.35	1,711.14
Cottam.....	40.50	38.00	22,044.22	80.4	545.51	553.00	995.03
Courtright.....	60.00	52.00	18,353.33	47.6	322.96	561.65	826.65
Dashwood.....	42.00	38.00	25,179.61	90.4	613.36	780.29	1,137.48
Delaware.....	34.00	31.00	14,470.03	69.9	474.27	431.95	650.54
Delhi.....	33.00	31.00	125,513.35	543.1	3,684.90	2,911.40	5,685.22
Dorchester.....	36.00	33.00	24,845.61	102.4	694.78	676.77	1,122.94
Drayton.....	50.00	48.00	47,877.36	127.7	866.44	1,662.30	2,158.24

SYSTEM

N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1942

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund	Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,681.00	1,021.53	3,075.80	3,294.82	822.79	41,092.68	43,829.85	2,737.17
338.84	125.36	394.00	429.26	105.40	5,314.26	6,422.65	1,108.39
347.19	110.40	252.00	360.13	67.41	4,377.16	5,134.13	756.97
352.28	104.56	200.40	342.32	53.61	4,334.19	5,408.20	1,074.01
1,988.58	740.00	1 828.20	2,287.31	489.05	27,126.46	29,510.24	2,383.78
544.87	213.54	715.00	709.27	191.27	9,199.87	9,831.71	631.84
277.74	74.90	125.00	254.24	33.44	3,081.43	3,393.75	312.32
1,553.13	579.98	1,658.40	1,856.34	443.63	23,689.79	24,947.06	1,257.27
447.80	165.89	424.80	510.14	113.64	6,675.90	6,266.75	(409.15)
864.70	338.95	1,037.60	1,087.53	277.56	13,769.51	14,786.55	1,017.04
1,131.75	451.43	1,314.80	1,400.95	351.72	17,529.62	18,735.08	1,205.46
546.02	215.60	816.00	742.02	218.28	9,647.66	10,607.78	960.12
380.96	140.85	356.80	441.39	95.45	5,438.09	5,860.46	422.37
1,008.02	376.85	1,028.60	1,196.09	275.16	15,438.24	16,918.53	1,480.29
414.52	125.28	261.60	413.79	69.98	4,966.65	5,541.95	575.30
421.50	138.09	379.60	480.86	101.55	5,767.03	6,767.62	1,000.59
311.56	110.14	266.40	345.23	71.26	4,533.84	5,181.37	647.53
3,930.62	1,566.04	5,725.40	5,372.49	1,531.58	69,364.42	74,929.10	5,564.68
25,809.73	10,918.58	39,453.20	36,301.33	10,553.95	465,029.77	463,574.57	(1,455.20)
1,326.92	560.83	2,019.60	1,862.28	540.25	27,633.53	27,769.52	135.99
304.13	107.03	294.20	349.74	78.70	4,235.36	4,633.91	398.55
295.60	90.11	169.80	288.02	45.42	3,552.26	4,176.40	624.14
431.82	133.70	287.40	438.05	76.88	5,304.00	6,088.24	784.24
400.53	155.07	455.20	490.96	121.77	6,348.86	6,940.80	591.94
138.91	40.73	88.20	138.20	23.59	1,723.96	2,116.80	392.84
627.71	246.71	744.00	780.68	199.02	9,807.07	10,231.15	424.08
136.26	38.00	73.60	129.25	19.69	1,681.42	1,840.86	159.44
412.40	120.95	261.80	409.15	70.03	4,694.04	5,181.36	487.32
9,753.43	4,039.33	13,136.00	13,084.91	3,513.95	166,894.90	174,052.36	7,157.46
272.39	126.21	659.60	475.22	176.45	6,733.19	7,089.64	356.45
362.15	103.64	199.00	348.79	53.23	4,474.03	4,649.70	175.67
1,356.55	469.09	1,286.20	1,556.07	344.07	19,728.16	21,013.81	1,285.65
374.33	117.41	272.80	391.05	72.98	4,811.56	5,492.77	681.21
213.68	70.02	160.80	228.41	43.01	2,723.44	3,096.97	373.53
206.19	57.12	95.20	189.88	25.47	2,234.18	2,548.78	314.60
253.89	79.23	180.80	261.74	48.36	3,258.43	3,494.02	235.59
121.04	47.05	139.80	149.54	37.40	1,976.79	2,201.37	224.58
1,134.69	400.68	1,086.20	1,300.81	290.56	15,913.34	17,056.04	1,142.70
232.45	79.29	204.80	257.77	54.79	3,214.01	3,446.51	232.50
531.37	151.27	255.40	494.39	68.32	6,051.09	6,177.80	126.71



## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each  
it by the Commission; the amount received by the Commission  
or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse- power supplied in year after correc- tion for power factor	Share of operating		
	To Dec. 31, 1941	From Jan. 1, 1942			Cost of power pur- chased	Operating main- tenance and adminis- trative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Dresden.....	38.00	35.00	96,927.77	398.5	2,703.79	3,414.08	4,380.65
Drumbo.....	35.00	35.00	22,960.02	108.1	733.45	929.73	1,051.02
Dublin.....	50.00	44.00	13,192.82	41.1	278.86	514.07	596.51
Dundas.....	22.50	22.50	484,346.37	2,836.5	19,245.46	8,708.94	21,851.34
Dunnville.....	27.50	25.00	241,665.51	1,298.9	8,812.94	4,698.27	10,876.72
Dutton.....	33.50	32.50	57,403.27	253.2	1,717.94	1,685.49	2,609.47
East York Twp...	27.50	27.50	1,420,771.50	7,488.7	50,810.31	28,094.96	64,265.48
Elmira.....	30.00	29.00	203,809.47	966.0	6,554.24	5,262.01	9,258.21
Elora.....	31.50	31.50	105,549.19	458.6	3,111.57	2,641.97	4,581.06
Embro.....	40.00	37.00	31,643.94	124.0	841.33	853.58	1,432.14
Erieau.....	48.00	48.00	34,085.33	103.6	702.92	953.32	1,552.19
Erie Beach.....	55.00	52.00	6,076.09	16.4	111.27	290.86	276.94
Essex.....	31.50	31.50	132,483.28	571.0	3,874.20	2,744.77	5,996.79
Etobicoke Twp...	23.50	23.50	1,298,870.38	7,043.0	47,786.27	26,605.97	59,250.50
Exeter.....	34.50	32.00	149,531.18	633.3	4,296.90	3,642.51	6,774.02
Fergus.....	31.50	30.50	290,442.90	1,351.5	9,169.83	6,349.63	13,181.73
Fonthill.....	29.50	29.50	35,257.49	174.7	1,185.33	863.09	1,593.55
Forest.....	40.00	38.00	137,038.78	519.1	3,522.06	4,257.80	6,265.68
Forest Hill.....	25.50	24.50	1,153,646.44	6,692.9	45,410.86	21,835.01	52,277.51
Galt.....	24.00	24.00	1,969,978.53	11,175.6	75,825.67	40,675.48	89,754.00
Georgetown.....	31.50	30.50	386,292.61	1,731.0	11,744.72	8,457.70	17,549.37
Glencoe.....	50.00	46.00	67,188.39	205.7	1,395.66	2,075.03	3,039.25
Goderich.....	37.50	35.00	395,164.20	1,512.7	10,263.57	10,319.85	17,905.44
Granton.....	45.00	40.00	19,921.92	71.4	484.44	622.79	898.25
Grimsby.....	.....	26.00	134,046.02	680.0	4,613.75	3,237.22	6,088.62
Guelph.....	23.50	23.50	1,936,826.83	11,020.3	74,771.97	42,788.14	88,335.19
Hagersville.....	28.50	28.50	214,196.82	956.1	6,487.07	4,090.85	9,708.48
Hamilton.....	22.00	22.00	25,152,579.49	152,364.0	1,033,779.20	449,920.76	1,136,315.37
Harriston.....	37.50	37.50	108,212.70	413.3	2,804.21	3,495.60	4,923.80
Harrow.....	34.50	33.50	127,874.63	508.9	3,452.85	2,781.44	5,789.13
Hensall.....	45.50	41.00	59,614.90	194.5	1,319.67	1,368.97	2,687.88
Hespeler.....	24.50	24.50	502,757.22	2,863.8	19,430.68	10,506.62	22,876.93
Highgate.....	42.50	40.00	22,913.80	86.6	587.58	719.62	1,035.74
Humberstone.....	24.50	24.50	97,029.24	531.2	3,604.16	1,915.00	4,417.28
Ingersoll.....	25.50	25.50	591,245.67	3,107.4	21,083.49	12,298.88	26,940.48
Jarvis.....	35.50	35.50	57,695.38	209.7	1,422.80	1,231.33	2,615.28
Kingsville.....	33.50	32.50	151,481.64	609.0	4,132.02	3,164.07	6,864.28
Kitchener.....	23.50	23.50	4,597,536.52	26,301.2	178,451.82	90,749.05	209,308.39
Lambeth.....	37.50	36.00	30,922.31	128.8	873.90	750.22	1,402.21
LaSalle.....	32.50	32.50	52,803.49	229.6	1,557.82	1,396.56	2,397.95

SYSTEM

N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1942

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
				Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
891.99	313.54	797.00	1,004.65	213.20	13,292.50	14,162.18	869.68
198.88	73.00	216.20	239.25	57.83	3,383.70	3,782.05	398.35
140.65	47.37	82.20	137.32	21.99	1,774.99	1,855.48	80.49
3,348.82	1,446.64	5,673.00	4,943.56	1,517.55	63,700.21	63,822.02	121.81
1,940.71	742.56	2,597.80	2,496.58	694.93	31,470.65	33,082.11	1,611.46
514.28	187.48	506.40	594.94	135.46	7,680.54	8,276.49	595.95
10,460.31	4,320.20	14,977.40	14,618.64	4,006.54	183,540.76	205,938.77	22,398.01
1,729.59	653.29	1,932.00	2,108.87	516.82	26,981.39	28,166.55	1,185.16
886.95	323.54	917.20	1,043.92	245.36	13,260.85	14,447.14	1,186.29
305.08	105.03	248.00	328.56	66.34	4,047.38	4,649.42	602.04
365.17	102.93	207.20	354.74	55.43	4,183.04	4,971.60	788.56
68.01	17.99	32.80	63.32	8.77	852.42	857.08	4.66
1,156.50	437.12	1,142.00	1,368.64	305.49	16,414.53	17,987.21	1,572.68
9,902.01	4,115.31	14,086.00	13,395.52	3,768.08	171,373.50	165,511.26	(5,862.24)
1,375.64	480.97	1,266.60	1,550.76	338.82	19,048.58	20,525.95	1,477.37
2,517.86	925.54	2,703.00	3,009.06	723.07	37,133.58	41,440.06	4,306.48
298.64	113.23	349.40	363.24	93.47	4,673.01	5,154.14	481.13
1,344.50	461.67	1,038.20	1,436.07	277.72	18,048.26	19,906.51	1,858.25
7,653.53	3,355.61	13,385.80	11,895.26	3,580.78	152,232.80	165,295.01	13,062.21
14,309.34	6,061.37	22,351.20	20,320.40	5,979.07	263,318.39	268,214.70	4,896.31
3,438.37	1,223.28	3,462.00	4,003.87	926.10	48,953.21	53,091.70	4,138.49
717.80	209.53	411.40	699.27	110.05	8,437.89	9,609.18	1,171.29
3,820.72	1,205.40	3,025.40	4,102.33	809.31	49,833.40	53,572.55	3,739.15
201.04	63.22	142.80	207.09	38.20	2,581.43	2,910.43	329.00
1,114.58	403.04	1,360.00	1,380.29	363.81	17,833.69	17,680.66	(153.03)
14,042.76	6,054.36	22,040.60	19,981.59	5,895.98	262,118.63	258,977.22	(3,141.41)
1,898.55	694.38	1,912.20	2,206.70	511.52	26,486.71	27,247.49	760.78
167,860.94	74,923.38	304,728.00	257,062.92	81,516.42	3,343,074.15	3,352,009.23	8,935.08
1,039.76	353.08	826.60	1,122.71	221.12	14,344.64	15,497.43	1,152.79
1,177.73	427.44	1,017.80	1,322.99	272.27	15,697.11	17,131.57	1,434.46
627.85	181.95	389.00	620.44	104.06	7,091.70	8,151.37	1,059.67
3,635.95	1,548.11	5,727.60	5,185.51	1,532.16	67,379.24	70,162.24	2,783.00
221.66	72.17	173.20	237.85	46.33	3,001.49	3,503.26	501.77
762.40	317.88	1,062.40	1,001.21	284.20	12,796.13	13,014.60	218.47
4,619.10	1,863.34	6,214.80	6,109.23	1,662.49	77,466.83	79,238.86	1,772.03
577.14	185.79	419.40	596.83	112.19	6,936.38	7,444.64	508.26
1,386.20	508.92	1,218.00	1,566.94	325.82	18,514.61	19,912.79	1,398.18
32,817.69	14,223.57	52,602.40	47,398.03	14,071.43	611,479.52	618,078.19	6,598.67
287.44	97.12	257.60	320.77	68.91	3,920.35	4,677.10	756.75
458.56	174.54	459.20	545.79	122.84	6,867.58	7,462.82	595.24

## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1941	From Jan. 1, 1942			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Leamington.....	32.50	32.50	418,536.55	1,688.8	11,458.39	8,154.14	18,989.42
Listowel.....	31.50	30.50	312,275.04	1,401.9	9,511.79	9,098.33	14,168.97
London.....	23.00	23.00	6,915,216.27	39,107.6	265,342.35	134,109.48	315,561.81
London Twp.....	29.50	28.50	103,509.19	510.8	3,465.74	2,393.85	4,697.54
Long Branch.....	25.50	25.50	207,050.69	1,121.3	7,607.94	4,315.03	9,418.80
Lucan.....	33.50	31.50	41,835.89	185.9	1,261.32	1,107.62	1,894.20
Lynden.....	33.50	32.00	25,432.68	112.4	762.63	567.67	1,142.89
Markham.....	32.50	31.50	75,788.94	341.6	2,317.73	1,778.35	3,435.46
Merlin.....	41.50	38.00	24,937.23	94.3	639.82	644.42	1,124.22
Merritton.....	20.00	20.00	1,289,084.04	8,833.1	59,931.98	23,374.93	58,328.63
Milton.....	30.50	28.50	262,385.14	1,327.4	9,006.32	6,984.80	11,835.06
Milverton.....	31.50	30.50	79,018.67	344.5	2,337.41	2,360.57	3,587.84
Mimico.....	22.50	22.50	416,548.23	2,424.9	16,452.78	8,912.91	19,005.84
Mitchell.....	29.50	29.50	148,688.03	712.2	4,832.22	3,886.59	6,760.06
Moorefield.....	58.00	52.00	16,677.70	41.0	278.18	535.31	748.58
Mount Brydges...	37.50	35.00	22,677.59	101.6	689.35	742.37	1,022.78
Newbury.....	49.50	45.00	7,955.59	28.4	192.69	313.70	357.29
New Hamburg....	30.50	29.50	130,121.66	622.3	4,222.26	2,977.89	5,903.96
New Toronto.....	25.50	25.50	2,161,380.39	11,264.4	76,428.17	46,732.96	98,380.89
Niagara Falls....	17.00	17.00	1,245,215.94	10,549.5	71,577.63	22,612.32	56,497.18
Niagara-on-the-Lake.....	22.50	22.50	123,051.04	836.8	5,677.63	2,802.75	5,557.23
North York Twp..	27.50	27.50	1,601,078.26	8,226.5	55,816.23	31,961.71	72,245.78
Norwich.....	30.50	30.50	92,740.99	422.4	2,865.95	2,155.46	4,216.21
Oil Springs.....	38.50	37.50	47,790.74	190.9	1,295.24	1,833.45	2,165.25
Otterville.....	40.50	38.00	27,413.91	106.3	721.24	854.21	1,234.90
Palmerston.....	34.00	33.00	144,762.07	586.4	3,978.68	4,828.31	6,483.97
Paris.....	24.50	24.50	327,540.19	1,812.6	12,298.37	6,637.75	14,874.38
Parkhill.....	55.50	48.00	66,673.35	195.7	1,327.81	1,845.17	3,011.37
Petrolia.....	35.50	34.00	276,715.37	1,188.0	8,060.50	8,742.69	12,498.74
Plattsville.....	44.00	42.00	32,616.75	127.4	864.40	1,172.01	1,485.81
Point Edward....	33.50	32.00	342,503.21	1,645.5	11,164.60	12,798.54	15,523.78
Port Colborne....	24.50	24.50	347,602.85	1,903.0	12,911.72	6,240.00	15,816.46
Port Credit.....	29.50	28.00	157,185.20	820.9	5,569.75	3,429.16	7,112.85
Port Dalhousie...	25.50	25.50	163,442.99	945.6	6,415.83	3,955.63	7,304.73
Port Dover.....	32.50	32.50	111,592.11	456.4	3,096.64	2,572.11	5,075.36



## SYSTEM

## N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1942

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
				Credit			
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,821.03	1,342.50	3,377.60	4,329.10	903.53	50,568.65	54,884.95	4,316.30
2,704.50	1,019.98	2,803.80	3,230.94	750.03	41,788.28	42,982.73	1,194.45
50,168.37	21,603.37	78,215.20	71,347.17	20,923.00	915,424.75	899,475.66	(15,949.09)
853.08	331.69	1,021.60	1,070.76	273.28	13,560.98	14,668.93	1,107.95
1,586.42	654.91	2,242.60	2,137.23	599.91	27,363.02	28,593.80	1,230.78
372.94	139.53	371.80	433.54	99.46	5,481.49	5,925.02	443.53
226.31	81.12	224.80	261.60	60.14	3,206.88	3,625.21	418.33
644.12	241.31	683.20	785.07	182.76	9,702.48	10,816.27	1,113.79
241.06	82.06	188.60	258.79	50.45	3,128.52	3,653.55	525.03
7,677.37	3,597.57	17,666.20	13,155.56	4,725.81	179,006.43	176,662.60	(2,343.83)
2,131.86	783.20	2,654.80	2,708.27	710.17	35,394.14	38,320.34	2,926.20
698.99	264.15	689.00	818.10	184.31	10,571.75	10,565.24	(6.51)
2,963.01	1,269.75	4,849.80	4,293.58	1,297.35	56,450.32	54,560.83	(1,889.49)
1,238.35	475.54	1,424.40	1,537.95	381.03	19,774.08	21,009.20	1,235.12
190.20	51.83	82.00	172.48	21.94	2,036.64	2,173.97	137.33
200.60	72.51	203.20	234.68	54.36	3,111.13	3,601.70	490.57
79.30	25.62	56.80	82.64	15.19	1,092.85	1,303.88	211.03
1,096.60	412.73	1,244.60	1,346.19	332.94	16,871.29	18,465.75	1,594.46
17,119.67	7,016.89	22,528.80	22,300.64	6,026.58	284,481.44	287,241.79	2,760.35
5,106.77	2,939.54	21,099.00	12,669.41	5,644.10	186,857.75	179,341.16	(7,516.59)
764.12	293.59	1,673.60	1,257.00	447.70	17,578.22	18,828.01	1,249.79
11,953.94	4,892.21	16,453.00	16,408.71	4,401.27	205,330.31	226,227.83	20,897.52
814.14	304.02	844.80	961.19	225.99	11,935.78	12,882.70	946.92
448.41	162.48	381.80	495.80	102.13	6,680.30	7,191.84	511.54
266.01	86.70	212.60	284.80	56.87	3,603.59	4,087.13	483.54
1,313.67	472.17	1,172.80	1,479.52	313.73	19,415.39	19,451.88	36.49
2,421.56	1,014.32	3,625.20	3,370.69	969.76	43,272.51	44,407.86	1,135.35
732.08	203.63	391.40	694.71	104.70	8,101.47	9,677.53	1,576.06
2,477.78	924.16	2,376.00	2,865.91	635.59	37,310.19	41,105.43	3,795.24
317.75	99.94	254.80	340.49	68.16	4,467.04	5,395.51	928.47
2,815.86	1,121.92	3,291.00	3,537.05	880.36	49,372.39	53,064.97	3,692.58
2,731.27	1,138.81	3,806.00	3,586.79	1,018.13	45,212.92	46,624.04	1,411.12
1,245.82	504.49	1,641.80	1,623.91	439.19	20,688.59	23,213.02	2,524.43
1,177.07	478.76	1,891.20	1,657.67	505.91	22,374.98	24,111.55	1,736.57
1,043.61	359.05	912.80	1,156.37	244.18	13,971.76	14,831.91	860.15

## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1941	From Jan. 1, 1942			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Port Rowan.....	40.00	40.00	28,357.41	103.5	702.24	754.94	1,290.44
Port Stanley.....	34.50	32.50	139,512.29	576.1	3,908.80	3,250.90	6,335.30
Preston.....	24.00	24.00	698,146.48	4,038.0	27,397.55	14,652.28	31,782.11
Princeton.....	40.50	40.50	34,347.01	121.9	827.08	1,045.17	1,574.91
Queenston.....	24.50	23.00	21,033.28	140.2	951.25	659.13	948.84
Richmond Hill....	30.50	29.00	93,334.89	448.4	3,042.36	1,885.16	4,224.74
Ridgetown.....	33.50	31.50	127,684.43	563.7	3,824.67	3,383.86	5,787.24
Riverside.....	30.50	30.50	249,912.82	1,065.0	7,225.95	4,795.12	11,347.68
Rockwood.....	35.50	33.00	28,122.62	116.2	788.41	619.91	1,274.54
Rodney.....	44.00	42.00	45,513.04	154.0	1,044.88	1,573.78	2,061.35
St. Catharines....	20.50	20.50	3,940,179.64	27,225.1	184,720.42	71,290.30	178,334.69
St. Clair Beach...	35.50	35.50	24,716.68	92.0	624.22	614.77	1,121.61
St. George.....	35.50	35.50	38,387.55	148.0	1,004.17	1,010.81	1,751.23
St. Jacobs.....	29.50	28.50	61,901.16	312.3	2,118.93	1,525.25	2,809.28
St. Marys.....	30.50	30.50	304,004.12	1,475.7	10,012.52	10,222.07	13,817.20
St. Thomas.....	23.50	23.50	1,424,181.28	7,882.3	53,480.86	31,435.13	65,112.74
Sarnia.....	28.50	28.50	2,230,628.39	10,614.9	72,021.36	50,449.73	101,418.72
Scarborough Twp.	27.50	26.50	850,911.82	4,290.7	29,112.10	16,238.49	38,344.78
Seaforth.....	30.50	30.50	155,914.26	709.8	4,815.94	4,275.41	7,099.16
Simcoe.....	25.50	25.50	483,256.99	2,474.9	16,792.03	10,077.55	22,037.88
Smithville.....	35.00	35.00	35,121.91	155.9	1,057.77	884.72	1,590.30
Springfield.....	43.50	40.00	19,412.87	67.1	455.27	580.02	886.15
Stamford Twp....	17.50	17.50	298,008.74	2,533.6	17,190.30	5,562.01	13,559.87
Stouffville.....	40.50	38.00	68,042.07	280.5	1,903.17	1,534.71	3,065.25
Stratford.....	25.50	25.50	1,421,864.10	7,369.4	50,000.87	34,180.32	64,501.32
Strathroy.....	29.50	29.50	288,286.46	1,416.2	9,608.82	6,171.17	13,088.74
Streetsville.....	34.00	32.00	43,354.16	215.4	1,461.47	1,401.82	1,947.78
Sutton.....	43.00	40.00	73,598.82	241.7	1,639.92	1,693.01	3,332.49
Swansea.....	29.00	28.00	524,365.90	3,091.5	20,975.61	20,316.56	23,719.49
Tavistock.....	31.50	30.00	141,581.31	639.0	4,335.57	3,500.75	6,405.75
Tecumseh.....	32.50	32.50	98,902.73	382.8	2,597.27	2,067.75	4,488.63
Thamesford.....	34.00	33.00	50,560.11	206.8	1,403.12	1,495.46	2,298.71
Thamesville.....	35.50	33.00	48,778.03	213.5	1,448.58	1,425.72	2,207.86
Thedford.....	55.00	49.00	34,611.22	100.2	679.85	1,180.30	1,581.24
Thorndale.....	50.00	44.00	24,743.44	78.8	534.65	717.52	1,110.95

## SYSTEM

## N—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1942

costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
282.53	90.02	207.00	294.43	55.37	3,566.23	4,140.32	574.09
1,303.68	449.74	1,152.20	1,447.40	308.22	17,539.80	18,835.58	1,295.78
4,965.51	2,155.98	8,076.00	7,198.47	2,160.37	94,067.53	96,911.06	2,843.53
351.12	103.47	243.80	358.84	65.22	4,439.17	4,936.61	497.44
136.19	57.19	280.40	216.34	75.01	3,174.33	3,260.88	86.55
753.43	297.07	896.80	965.89	239.90	11,825.55	13,125.08	1,299.53
1,120.79	416.09	1,127.40	1,322.17	301.59	16,680.63	17,985.60	1,304.97
2,200.20	844.74	2,130.00	2,583.02	569.79	30,556.92	32,483.53	1,926.61
263.74	91.63	232.40	291.89	62.17	3,500.35	3,882.09	381.74
470.94	141.02	308.00	472.87	82.39	5,990.45	6,530.32	539.87
23,276.91	10,955.79	54,450.20	40,250.77	14,565.73	548,713.35	558,113.89	9,400.54
236.25	82.20	184.00	255.56	49.22	3,069.39	3,266.01	196.62
373.63	125.49	296.00	398.71	79.18	4,880.86	5,254.00	373.14
499.33	198.44	624.60	639.78	167.08	8,248.53	8,948.96	700.43
2,471.49	1,008.18	2,951.40	3,145.48	789.51	42,838.83	45,010.03	2,171.20
10,567.36	4,507.17	15,764.60	14,700.23	4,217.12	191,350.97	185,234.24	(6,116.73)
18,478.73	7,277.55	21,229.80	23,037.50	5,679.09	288,234.30	302,524.70	14,290.40
6,492.24	2,596.81	8,581.40	8,726.10	2,295.57	107,796.35	114,500.34	6,703.99
1,349.28	494.82	1,419.60	1,613.58	379.75	20,688.04	21,648.10	960.06
3,840.16	1,512.02	4,949.80	4,993.69	1,324.10	62,879.03	63,109.39	230.36
321.38	118.20	311.80	362.67	83.41	4,563.43	5,457.39	893.96
203.08	59.83	134.20	204.55	35.90	2,487.20	2,726.07	238.87
1,229.74	706.64	5,067.20	3,045.02	1,355.50	45,005.28	44,337.27	(668.01)
616.05	208.22	561.00	705.82	150.07	8,444.15	10,780.89	2,336.74
10,997.02	4,586.32	14,738.80	14,638.59	3,942.71	189,700.53	187,920.43	(1,780.10)
2,384.73	875.92	2,832.40	2,982.42	757.68	37,186.52	41,778.71	4,592.19
357.59	140.64	430.80	447.65	115.24	6,072.51	6,971.11	898.60
755.47	221.62	483.40	765.88	129.31	8,762.48	9,757.80	995.32
3,421.11	1,526.58	6,183.00	5,405.10	1,653.99	79,893.46	87,139.88	7,246.42
1,227.92	468.29	1,278.00	1,461.92	341.87	18,336.33	19,326.50	990.17
923.90	332.90	765.60	1,021.84	204.80	11,993.09	12,441.01	447.92
475.19	164.91	413.60	524.63	110.64	6,664.98	6,858.70	193.72
430.56	162.48	427.00	505.02	114.22	6,493.00	7,156.68	663.68
383.82	109.83	200.40	364.46	53.61	4,446.29	4,907.53	461.24
263.23	75.07	157.60	257.58	42.16	3,074.44	3,539.71	465.27



## NIAGARA

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1941	From Jan. 1, 1942			Cost of power purchased	Operating maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Thorold.....	21.00	21.00	369,875.60	2,386.8	16,194.27	8,496.99	16,767.92
Tilbury.....	33.50	32.00	266,633.56	1,212.2	8,224.69	6,809.36	12,080.19
Tillsonburg.....	28.50	28.50	271,213.60	1,320.4	8,958.82	6,020.15	12,330.87
Toronto.....	22.60	22.60	58,334,918.47	344,941.5	2,340,404.21	1,051,488.66	2,657,127.91
Toronto Twp....	27.50	27.50	539,808.79	2,703.7	18,344.42	13,061.30	24,545.30
Trafalgar Twp., Area No. 1....	26.50	26.50	76,577.81	372.3	2,526.03	1,743.75	3,499.27
Trafalgar Twp., Area No. 2....	27.50	27.50	32,608.20	141.7	961.42	1,026.89	1,491.93
Wallaceburg.....	31.50	30.50	733,580.89	3,339.6	22,658.95	16,382.32	32,971.78
Wardsville.....	57.50	50.00	10,498.57	34.7	235.44	408.40	468.58
Waterdown.....	27.50	27.50	42,823.06	226.1	1,534.07	1,033.94	1,929.93
Waterford.....	27.50	27.50	102,269.81	504.5	3,423.00	2,177.77	4,656.29
Waterloo.....	24.00	24.00	928,778.36	5,253.2	35,642.60	18,619.01	42,272.13
Watford.....	45.50	39.00	96,357.74	367.8	2,495.50	2,794.48	4,334.86
Welland.....	19.50	19.50	1,686,272.29	12,086.2	82,004.04	30,307.22	76,526.07
Wellesley.....	44.00	38.00	29,870.48	118.5	804.01	855.16	1,332.74
West Lorne....	36.50	35.50	56,879.89	231.6	1,571.39	1,971.01	2,583.43
Weston.....	23.00	23.00	792,864.38	4,490.2	30,465.70	14,536.99	36,232.41
Wheatley.....	45.00	42.00	60,079.11	182.5	1,238.25	1,243.56	2,720.36
Windsor.....	26.00	26.00	9,764,537.06	48,266.4	327,484.18	176,987.64	443,423.36
Woodbridge....	30.50	28.50	132,118.57	642.5	4,359.32	2,603.04	5,983.30
Woodstock.....	24.50	24.50	1,515,103.31	8,372.3	56,805.47	30,064.74	69,021.86
Wyoming.....	47.50	45.00	23,154.06	74.2	503.44	795.65	1,048.47
York Twp.....	25.50	25.50	3,514,459.77	18,830.4	127,762.96	62,699.93	160,012.86
Zurich.....	50.00	45.00	40,976.04	124.7	846.08	1,065.65	1,847.95
Ontario Reformatory.....			55,731.49	298.9	2,028.02	1,173.58	2,531.73
Toronto Transportation Comm..			102,605.03	582.1	3,949.51	2,098.47	4,626.86
Totals—Municipalities.....			161,977,153.05	923,600.3	6,266,564.05	3,135,864.70	7,359,661.73
Totals—Rural power districts....			12,010,444.50	55,195.0	374,494.21	274,225.98	546,872.76
Totals—Companies.....			46,891,350.25	241,758.9	2,995,189.78	1,284,687.90	2,130,088.16
Totals—Local distribution sys....			649,152.28	2,317.0	15,720.68	41,705.99	30,221.16
			221,528,100.08				
Non-operating capital.....			3,911,282.52				
Grand totals.....			225,439,382.60	1,222,871.2	9,651,968.72	4,736,484.57	10,066,843.81

### N—COST OF POWER

Costs and fixed charges

Costs and fixed charges				Revenue received in excess of cost of power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,402.77	1,079.59	4,773.60	3,785.21	1,276.96	52,223.39	50,123.71	(2,099.68)
2,297.06	871.78	2,424.40	2,752.57	648.54	34,811.51	39,041.47	4,229.96
2,262.47	842.05	2,640.80	2,806.34	706.42	35,155.08	37,631.70	2,476.62
379,131.00	169,469.58	689,883.00	601,270.98	184,547.52	7,704,227.82	7,795,676.73	91,448.91
4,434.05	1,764.12	5,407.40	5,580.76	1,446.51	71,690.84	74,350.61	2,659.77
644.57	261.22	744.60	792.34	199.18	10,012.60	9,866.19	(146.41)
296.23	116.24	283.40	337.30	75.81	4,437.60	3,895.39	(542.21)
6,198.61	2,335.80	6,679.20	7,519.71	1,786.72	92,959.65	102,394.29	9,434.64
108.56	33.26	69.40	109.16	18.56	1,414.24	1,787.63	373.39
330.18	132.44	452.20	438.45	120.97	5,730.24	6,218.44	488.20
839.23	333.55	1,009.00	1,057.56	269.91	13,226.49	13,875.08	648.59
6,712.28	2,869.42	10,506.40	9,577.50	2,810.52	123,388.82	126,076.42	2,687.60
927.13	315.55	735.60	999.61	196.78	12,405.95	14,771.33	2,365.38
9,746.06	4,556.96	24,172.40	17,286.28	6,466.25	238,132.78	235,680.93	(2,451.85)
285.20	94.80	237.00	309.97	63.40	3,855.48	4,623.47	767.99
534.75	183.16	463.20	589.35	123.91	7,772.38	8,261.48	489.10
5,418.10	2,312.97	8,980.40	8,179.38	2,402.31	103,723.64	103,274.76	(448.88)
635.68	182.95	365.00	624.19	97.64	6,912.35	7,763.80	851.45
76,289.61	31,459.66	96,532.80	100,619.49	25,823.05	1,226,973.69	1,254,925.64	27,951.95
1,055.29	407.22	1,285.00	1,366.95	343.74	16,716.38	18,518.06	1,801.68
11,276.88	4,804.88	16,744.60	15,639.92	4,479.28	199,879.07	205,121.13	5,242.06
242.84	72.21	148.40	240.83	39.70	3,012.14	3,374.08	361.94
25,537.86	10,736.47	37,660.80	36,278.52	10,074.47	450,614.93	480,174.55	29,559.62
443.86	124.90	249.40	426.79	66.72	4,937.91	5,715.17	777.26
429.30	174.73	597.80	575.95	159.91	7,351.20	8,070.97	719.77
750.45	311.08	1,164.20	1,058.19	311.43	13,647.33	17,043.15	3,395.82
1,134,649.91	487,237.84	1,847,200.60	1,667,119.56	(494,136.31)	21,404,162.08	21,802,395.60	451,213.93 (52,980.41)
103,648.38	38,790.01	110,390.00	124,127.05	(29,529.93)	1,543,018.46	1,543,018.46	
365,382.05	5,852,727.55		479,224.39	509,315.05	13,616,614.88	13,616,614.88	
7,947.88	3,674.49		6,878.27	14,351.19	120,499.66	120,499.66	
1,611,628.22	6,382,429.89	1,957,590.60	2,277,349.27		36,684,295.08	37,082,528.60	451,213.93 (52,980.41)

## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1942, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1941	
		Credit	Charge
		\$ c.	\$ c.
Acton.....	Jan. 1913	2,561.38	.....
Agincourt.....	Nov. 1922	1,670.81	.....
Ailsa Craig.....	Jan. 1916	903.40	.....
Alvinston.....	April 1922	1,353.70	.....
Amherstburg.....	Nov. 1925	2,659.53	.....
Ancaster Township.....	May 1923	710.53	.....
Arkona.....	Dec. 1926	818.25	.....
Aylmer.....	Mar. 1918	1,696.24	.....
Ayr.....	Jan. 1915	.....	641.05
Baden.....	May 1912	544.33	.....
Beachville.....	Aug. 1912	703.67	.....
Beamsville.....	May 1937	.....	179.34
Belle River.....	Dec. 1922	634.57	.....
Blenheim.....	Nov. 1915	2,280.46	.....
Blyth.....	July 1924	637.87	.....
Bolton.....	Feb. 1915	990.76	.....
Bothwell.....	Sept. 1915	1,129.80	.....
Brampton.....	Nov. 1911	8,074.23	.....
Brantford.....	Feb. 1914	.....	5,970.65
Brantford Township.....	May 1924	.....	43.71
Bridgeport.....	Mar. 1928	264.62	.....
Brigden.....	Jan. 1918	987.42	.....
Brussels.....	July 1924	737.56	.....
Burford.....	June 1915	448.03	.....
Burgessville.....	Nov. 1916	65.52	.....
Caledonia.....	Oct. 1912	264.16	.....
Campbellville.....	Jan. 1925	95.12	.....
Cayuga.....	Nov. 1924	756.37	.....
Chatham.....	Feb. 1915	6,117.34	.....
Chippawa.....	Sept. 1919	358.20	.....
Clifford.....	May 1924	624.88	.....
Clinton.....	Mar. 1914	1,776.78	.....
Comber.....	May 1915	551.94	.....
Cottam.....	Nov. 1926	442.32	.....
Courtright.....	Dec. 1923	385.31	.....
Dashwood.....	Sept. 1917	692.68	.....
Delaware.....	Mar. 1915	406.61	.....
Delhi.....	May 1938	2,156.27	.....
Dorchester.....	Dec. 1914	537.82	.....
Drayton.....	Mar. 1918	563.39	.....



## SYSTEM

## N—CREDIT OR CHARGE

power supplied to it to October 31, 1941, the cash receipts and payments thereon or charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1942

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1942		Accumulated amount standing as a credit or charge on October 31, 1942	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	2,561.38	2,737.17	.....	2,737.17	.....
.....	1,670.81	1,108.39	.....	1,108.39	.....
.....	903.40	756.97	.....	756.97	.....
.....	1,353.70	1,074.01	.....	1,074.01	.....
.....	2,659.53	2,383.78	.....	2,383.78	.....
.....	710.53	631.84	.....	631.84	.....
.....	818.25	312.32	.....	312.32	.....
.....	1,696.24	1,257.27	.....	1,257.27	.....
641.05	.....	.....	409.15	.....	409.15
.....	544.33	1,017.04	.....	1,017.04	.....
.....	703.67	1,205.46	.....	1,205.46	.....
179.34	.....	960.12	.....	960.12	.....
.....	634.57	422.37	.....	422.37	.....
.....	2,280.46	1,480.29	.....	1,480.29	.....
.....	637.87	575.30	.....	575.30	.....
.....	990.76	1,000.59	.....	1,000.59	.....
.....	1,129.80	647.53	.....	647.53	.....
.....	8,074.23	5,564.68	.....	5,564.68	.....
5,970.65	.....	.....	1,455.20	.....	1,455.20
43.71	.....	135.99	.....	135.99	.....
.....	264.62	398.55	.....	398.55	.....
.....	987.42	624.14	.....	624.14	.....
.....	737.56	784.24	.....	784.24	.....
.....	448.03	591.94	.....	591.94	.....
.....	65.52	392.84	.....	392.84	.....
.....	264.16	424.08	.....	424.08	.....
.....	95.12	159.44	.....	159.44	.....
.....	756.37	487.32	.....	487.32	.....
.....	6,117.34	7,157.46	.....	7,157.46	.....
.....	358.20	356.45	.....	356.45	.....
.....	624.88	175.67	.....	175.67	.....
.....	1,776.78	1,285.65	.....	1,285.65	.....
.....	551.94	681.21	.....	681.21	.....
.....	442.32	373.53	.....	373.53	.....
.....	385.31	314.60	.....	314.60	.....
.....	692.68	235.59	.....	235.59	.....
.....	406.61	224.58	.....	224.58	.....
.....	2,156.27	1,142.70	.....	1,142.70	.....
.....	537.82	232.50	.....	232.50	.....
.....	563.39	126.71	.....	126.71	.....

## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1942; and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1941	
		Credit	Charge
		\$ c.	\$ c.
Dresden.....	April 1915	2,274.53	.....
Drumbo.....	Dec. 1914	163.65	.....
Dublin.....	Oct 1917	357.11	.....
Dundas.....	Jan. 1911	.....	1.82
Dunnville.....	June 1918	6,750.97	.....
Dutton.....	Sept. 1915	641.61	.....
East York Township.....	July 1925	12,861.12	.....
Elmira.....	Nov. 1913	2,163.64	.....
Elora.....	Nov. 1914	884.93	.....
Embro.....	Jan. 1915	716.47	.....
Erieau.....	July 1924	277.47	.....
Erie Beach.....	July 1925	37.90	.....
Essex.....	Nov. 1923	1,417.42	.....
Etobicoke Township.....	Aug. 1917	.....	6,675.84
Exeter.....	June 1916	2,897.18	.....
Fergus.....	Nov. 1914	3,752.31	.....
Fonthill.....	June 1926	385.25	.....
Forest.....	Mar. 1917	2,300.81	.....
Forest Hill.....	Jan. 1938	14,863.55	.....
Galt.....	May 1911	692.24	.....
Georgetown.....	Sept. 1913	5,025.82	.....
Glencoe.....	Aug. 1920	1,659.31	.....
Goderich.....	Feb. 1914	6,537.30	.....
Granton.....	July 1916	646.00	.....
Grimsby.....	Jan. 1942	.....	.....
Guelph.....	Dec. 1910	.....	3,228.51
Hagersville.....	Sept. 1913	506.62	.....
Hamilton.....	Feb. 1911	24,993.46	.....
Harriston.....	July 1916	655.29	.....
Harrow.....	Nov. 1923	1,517.26	.....
Hensall.....	Jan. 1917	1,664.12	.....
Hespeler.....	Feb. 1911	1,648.05	.....
Highgate.....	Dec. 1916	570.57	.....
Humberstone.....	Oct. 1924	176.73	.....
Ingersoll.....	May 1911	995.19	.....
Jarvis.....	Feb. 1924	389.82	.....
Kingsville.....	Nov. 1923	1,816.57	.....
Kitchener.....	Jan. 1911	5,002.47	.....
Lambeth.....	April 1915	550.86	.....
LaSalle.....	Nov 1925	313.75	.....

SYSTEM

N—CREDIT OR CHARGE

power supplied to it to October 31, 1941, the cash receipts and payments thereon or charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1942

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1942		Accumulated amount standing as a credit or charge on October 31, 1942	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	2,274.53	869.68	.....	869.68	.....
.....	163.65	398.35	.....	398.35	.....
.....	357.11	80.49	.....	80.49	.....
1.82	.....	121.81	.....	121.81	.....
.....	6,750.97	1,611.46	.....	1,611.46	.....
.....	641.61	595.95	.....	595.95	.....
.....	12,861.12	22,398.01	.....	22,398.01	.....
.....	2,163.64	1,185.16	.....	1,185.16	.....
.....	884.93	1,186.29	.....	1,186.29	.....
.....	716.47	602.04	.....	602.04	.....
.....	277.47	788.56	.....	788.56	.....
.....	37.90	4.66	.....	4.66	.....
.....	1,417.42	1,572.68	.....	1,572.68	.....
6,675.84	.....	.....	5,862.24	.....	5,862.24
.....	2,897.18	1,477.37	.....	1,477.37	.....
.....	3,752.31	4,306.48	.....	4,306.48	.....
.....	385.25	481.13	.....	481.13	.....
.....	2,300.81	1,858.25	.....	1,858.25	.....
.....	14,863.55	13,062.21	.....	13,062.21	.....
.....	692.24	4,896.31	.....	4,896.31	.....
.....	5,025.82	4,138.49	.....	4,138.49	.....
.....	1,659.31	1,171.29	.....	1,171.29	.....
.....	6,537.30	3,739.15	.....	3,739.15	.....
.....	646.00	329.00	.....	329.00	.....
.....	.....	.....	153.03	.....	153.03
3,228.51	.....	.....	3,141.41	.....	3,141.41
.....	506.62	760.78	.....	760.78	.....
.....	24,993.46	8,935.08	.....	8,935.08	.....
.....	655.29	1,152.79	.....	1,152.79	.....
.....	1,517.26	1,434.46	.....	1,434.46	.....
.....	1,664.12	1,059.67	.....	1,059.67	.....
.....	1,648.05	2,783.00	.....	2,783.00	.....
.....	570.57	501.77	.....	501.77	.....
.....	176.73	218.47	.....	218.47	.....
.....	995.19	1,772.03	.....	1,772.03	.....
.....	389.82	508.26	.....	508.26	.....
.....	1,816.57	1,398.18	.....	1,398.18	.....
.....	5,002.47	6,598.67	.....	6,598.67	.....
.....	550.86	756.75	.....	756.75	.....
.....	313.75	595.24	.....	595.24	.....



## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1942, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1941	
		Credit	Charge
		\$ c.	\$ c.
Leamington.....	Nov. 1923	2,994.79	.....
Listowel.....	June 1916	3,677.72	.....
London.....	Jan. 1911	.....	21,224.56
London Township.....	Jan. 1925	1,384.44	.....
Long Branch.....	Jan. 1931	978.47	.....
Lucan.....	Feb. 1915	876.50	.....
Lynden.....	Nov. 1915	414.05	.....
Markham.....	April 1920	1,246.55	.....
Merlin.....	Dec. 1922	643.10	.....
Merritton.....	Nov. 1920	.....	2,189.92
Milton.....	April 1913	5,958.97	.....
Milverton.....	June 1916	858.92	.....
Mimico.....	May 1912	.....	1,936.65
Mitchell.....	Sept. 1911	1,177.20	.....
Moorefield.....	Mar. 1918	361.02	.....
Mount Brydges.....	Mar. 1915	600.64	.....
Newbury.....	Mar. 1921	279.72	.....
New Hamburg.....	Mar. 1911	1,742.10	.....
New Toronto.....	Feb. 1914	1,229.82	.....
Niagara Falls.....	Dec. 1915	.....	7,377.96
Niagara-on-the-Lake.....	Aug. 1919	878.26	.....
North York Township.....	Nov. 1923	11,088.94	.....
Norwich.....	May 1912	906.97	.....
Oil Springs.....	Feb. 1918	776.35	.....
Otterville.....	Feb. 1916	727.81	.....
Palmerston.....	July 1916	1,333.80	.....
Paris.....	Feb. 1914	560.23	.....
Parkhill.....	May 1920	2,071.98	.....
Petrolia.....	May 1916	5,531.56	.....
Plattsville.....	Dec. 1914	651.23	.....
Point Edward.....	Nov. 1916	4,038.47	.....
Port Colborne.....	Mar. 1920	1,057.86	.....
Port Credit.....	Aug. 1912	2,551.33	.....
Port Dalhousie.....	Nov. 1912	1,328.44	.....
Port Dover.....	Dec. 1921	652.98	.....

SYSTEM

N—CREDIT OR CHARGE

power supplied to it to October 31, 1941, the cash receipts and payments thereon or charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1942

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1942		Accumulated amount standing as a credit or charge on October 31, 1942	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	2,994.79	4,316.30	.....	4,316.30	.....
21,224.56	3,677.72	1,194.45	.....	1,194.45	.....
.....	1,384.44	1,107.95	15,949.09	.....	15,949.09
.....	978.47	1,230.78	.....	1,107.95	.....
.....	.....	.....	.....	1,230.78	.....
.....	876.50	443.53	.....	443.53	.....
.....	414.05	418.33	.....	418.33	.....
.....	1,246.55	1,113.79	.....	1,113.79	.....
.....	643.10	525.03	.....	525.03	.....
2,189.92	.....	.....	2,343.83	.....	2,343.83
.....	5,958.97	2,926.20	.....	2,926.20	.....
.....	858.92	.....	6.51	.....	6.51
1,936.65	.....	.....	1,889.49	.....	1,889.49
.....	1,177.20	1,235.12	.....	1,235.12	.....
.....	361.02	137.33	.....	137.33	.....
.....	600.64	490.57	.....	490.57	.....
.....	279.72	211.03	.....	211.03	.....
.....	1,742.10	1,594.46	.....	1,594.46	.....
.....	1,229.82	2,760.35	.....	2,760.35	.....
7,377.96	.....	.....	7,516.59	.....	7,516.59
.....	878.26	1,249.79	.....	1,249.79	.....
.....	11,088.94	20,897.52	.....	20,897.52	.....
.....	906.97	946.92	.....	946.92	.....
.....	776.35	511.54	.....	511.54	.....
.....	727.81	483.54	.....	483.54	.....
.....	1,333.80	36.49	.....	36.49	.....
.....	560.23	1,135.35	.....	1,135.35	.....
.....	2,071.98	1,576.06	.....	1,576.06	.....
.....	5,531.56	3,795.24	.....	3,795.24	.....
.....	651.23	928.47	.....	928.47	.....
.....	4,038.47	3,692.58	.....	3,692.58	.....
.....	1,057.86	1,411.12	.....	1,411.12	.....
.....	2,554.33	2,524.43	.....	2,524.43	.....
.....	1,328.44	1,736.57	.....	1,736.57	.....
.....	652.98	860.15	.....	860.15	.....

## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1942, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1941	
		Credit	Charge
		\$ c.	\$ c.
Port Rowan.....	Nov. 1926	188.83	.....
Port Stanley.....	April 1912	2,162.37	.....
Preston.....	Jan. 1911	1,315.53	.....
Princeton.....	Jan. 1915	93.64	.....
Queenston.....	Mar. 1921	452.57	.....
Richmond Hill.....	June 1925	1,466.94	.....
Ridgetown.....	Dec. 1915	2,043.89	.....
Riverside.....	Nov. 1922	1,171.53	.....
Rockwood.....	Sept. 1913	553.73	.....
Rodney.....	Feb. 1917	756.55	.....
St. Catharines.....	April 1914	2,101.89	.....
St. Clair Beach.....	Nov. 1922	111.61	.....
St. George.....	Sept. 1915	112.11	.....
St. Jacobs.....	Sept. 1917	945.79	.....
St. Marys.....	May 1911	2,499.56	.....
St. Thomas.....	April 1911	.....	7,785.12
Sarnia.....	Dec. 1916	7,260.37	.....
Scarborough Township.....	Aug. 1918	8,484.92	.....
Seaforth.....	Nov. 1911	527.05	.....
Simcoe.....	Aug. 1915	.....	459.79
Smithville.....	Nov. 1940	387.20	.....
Springfield.....	Aug. 1917	527.58	.....
Stamford Township.....	Nov. 1916	.....	721.65
Stouffville.....	Sept. 1923	1,903.39	.....
Stratford.....	Jan. 1911	4,544.70	.....
Strathroy.....	Dec. 1914	3,168.40	.....
Streetsville.....	Dec. 1934	1,108.52	.....
Sutton.....	Aug. 1923	1,601.83	.....
Swansea.....	Oct. 1937	9,841.43	.....
Tavistock.....	Nov. 1916	2,043.98	.....
Tecumseh.....	Nov. 1922	273.46	.....
Thamesford.....	Feb. 1914	489.30	.....
Thamesville.....	Oct. 1915	923.59	.....
Thedford.....	May 1922	818.42	.....
Thorndale.....	Mar. 1914	882.01	.....



SYSTEM

N—CREDIT OR CHARGE

power supplied to it to October 31, 1941, the cash receipts and payments thereon or charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1942

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1942		Accumulated amount standing as a credit or charge on October 31, 1942	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	188.83	.....	574.09	.....	574.09
.....	2,162.37	.....	1,295.78	.....	1,295.78
.....	1,315.53	.....	2,843.53	.....	2,843.53
.....	93.64	.....	497.44	.....	497.44
.....	452.57	.....	86.55	.....	86.55
.....	1,466.94	.....	1,299.53	.....	1,299.53
.....	2,043.89	.....	1,304.97	.....	1,304.97
.....	1,171.53	.....	1,926.61	.....	1,926.61
.....	553.73	.....	381.74	.....	381.74
.....	756.55	.....	539.87	.....	539.87
.....	2,101.89	.....	9,400.54	.....	9,400.54
.....	111.61	.....	196.62	.....	196.62
.....	112.11	.....	373.14	.....	373.14
.....	945.79	.....	700.43	.....	700.43
.....	2,499.56	.....	2,171.20	.....	2,171.20
6,136.00	.....	.....	6,116.73	.....	7,765.85
.....	7,260.37	.....	14,290.40	.....	14,290.40
.....	8,484.92	.....	6,703.99	.....	6,703.99
.....	527.05	.....	960.06	.....	960.06
459.79	.....	.....	230.36	.....	230.36
.....	387.20	.....	893.96	.....	893.96
.....	527.58	.....	238.87	.....	238.87
721.65	.....	.....	668.01	.....	668.01
.....	1,903.39	.....	2,336.74	.....	2,336.74
.....	4,544.70	.....	1,780.10	.....	1,780.10
.....	3,168.40	.....	4,592.19	.....	4,592.19
.....	1,108.52	.....	898.60	.....	898.60
.....	1,601.83	.....	995.32	.....	995.32
.....	9,841.43	.....	7,246.42	.....	7,246.42
.....	2,043.98	.....	990.17	.....	990.17
.....	273.46	.....	447.92	.....	447.92
.....	489.30	.....	193.72	.....	193.72
.....	923.59	.....	663.68	.....	663.68
.....	818.42	.....	461.24	.....	461.24
.....	882.01	.....	465.27	.....	465.27

## NIAGARA

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year. Also the net amount Credited ended October 31, 1942, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1941	
		Credit	Charge
		\$ c.	\$ c.
Thorold.....	Jan. 1921	.....	762.20
Tilbury.....	April 1915	2,720.85	.....
Tillsonburg.....	Aug. 1911	2,459.86	.....
Toronto.....	June 1911	37,582.54	.....
Toronto Township.....	Aug. 1913	4,044.26	.....
Trafalgar Township Area No. 1.....	Nov. 1936	.....	286.72
Trafalgar Township Area No. 2.....	Nov. 1936	.....	359.13
Wallaceburg.....	Feb. 1915	7,950.13	.....
Wardsville.....	June 1921	593.04	.....
Waterdown.....	Nov. 1911	319.29	.....
Waterford.....	April 1915	365.57	.....
Waterloo.....	Dec. 1910	2,111.43	.....
Watford.....	Sept. 1917	3,737.35	.....
Welland.....	Sept. 1917	6,253.58	.....
Wellesley.....	Nov. 1916	1,338.49	.....
West Lorne.....	Jan. 1917	512.43	.....
Weston.....	Aug. 1911	.....	2,522.54
Wheatley.....	Feb. 1924	1,065.92	.....
Windsor.....	Oct. 1914	15,942.07	.....
Woodbridge.....	Dec. 1914	2,433.75	.....
Woodstock.....	Jan. 1911	2,212.50	.....
Wyoming.....	Nov. 1916	496.80	.....
York Township.....	Jan. 1941	7,302.40	.....
Zurich.....	Sept. 1917	1,289.22	.....
Ontario Reformatory.....	Sept. 1913	572.08	.....
Toronto Transportation Commission.....	Jan. 1927	2,412.15	.....
Totals—Municipalities.....	.....	376,770.84	62,367.16
Totals—Rural power districts.....	.....	2,225,317.30	479,657.97
Grand totals.....	.....	2,602,088.14	542,025.13

SYSTEM

N—CREDIT OR CHARGE

power supplied to it to October 31, 1941, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1942

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1942		Accumulated amount standing as a credit or charge on October 31, 1942	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c. 762.20		\$ c.	\$ c. 2,099.68	\$ c.	\$ c. 2,099.68
	2,720.85	4,229.96		4,229.96	
	2,459.86	2,476.62		2,476.62	
	37,582.54	91,448.91		91,448.91	
	4,044.26	2,659.77		2,659.77	
286.72			146.41		146.41
359.13			542.21		542.21
	7,950.13	9,434.64		9,434.64	
	593.04	373.39		373.39	
	319.29	488.20		488.20	
	365.57	648.59		648.59	
	2,111.43	2,687.60		2,687.60	
	3,737.35	2,365.38		2,365.38	
	6,253.58		2,451.85		2,451.85
	1,338.49	767.99		767.99	
	512.43	489.10		489.10	
			448.88		2,971.42
	1,065.92	851.45		851.45	
	15,942.07	27,951.95		27,951.95	
	2,433.75	1,801.68		1,801.68	
	2,212.50	5,242.06		5,242.06	
	496.80	361.94		361.94	
	7,302.40	29,559.62		29,559.62	
	1,289.22	777.26		777.26	
	572.08	719.77		719.77	
	2,412.15	3,395.82		3,395.82	
58,195.50	376,770.84	451,213.93	52,980.41	451,213.93	57,152.07
91,824.45	21,849.03	294,360.33	116,849.51	2,582,541.14	589,395.57
150,019.95	398,619.87	745,574.26	169,829.92	3,033,755.07	646,547.64



## NIAGARA SYSTEM

## N—SINKING FUND

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1942

Municipality	Period of years ended Oct. 31, 1942	Amount	Municipality	Period of years ended Oct. 31, 1942	Amount
		\$ c.			\$ c.
Acton.....	25 years	84,779.25	Dutton.....	22 years	23,604.89
Agincourt.....	19 "	13,657.49	East York Township..	18 "	343,869.61
Ailsa Craig.....	22 "	18,048.46	Elmira.....	24 "	90,993.72
Alvinston.....	19 "	18,093.53	Elora.....	23 "	43,921.07
Amherstburg.....	19 "	65,910.31	Embro.....	23 "	13,330.65
Ancaster Township..	19 "	21,105.05	Erieau.....	19 "	8,087.84
Arkona.....	16 "	7,515.00	Erie Beach.....	18 "	1,987.45
Aylmer.....	19 "	52,571.97	Essex.....	19 "	38,398.74
Ayr.....	23 "	18,092.48	Etobicoke Township..	20 "	278,495.14
Baden.....	25 "	38,076.23	Exeter.....	21 "	50,602.26
Beachville.....	25 "	49,212.62	Fergus.....	23 "	77,361.52
Beamsville.....	6 "	6,573.30	Fonthill.....	17 "	8,000.06
Belle River.....	20 "	12,756.22	Forest.....	20 "	40,695.29
Blenheim.....	22 "	45,436.40	Forest Hill.....	19 "	223,214.60
Blyth.....	19 "	11,953.18	Galt.....	26 "	658,726.88
Bolton.....	22 "	20,821.09	Georgetown.....	24 "	125,656.86
Bothwell.....	22 "	20,330.82	Glencoe.....	19 "	24,474.92
Brampton.....	26 "	206,593.47	Goderich.....	23 "	147,500.83
Brantford.....	23 "	1,103,192.79	Granton.....	21 "	9,518.30
Brantford Township.	19 "	43,070.73	Grimsby.....	1 "	1,718.00
Bridgeport.....	15 "	7,839.09	Guelph.....	26 "	794,354.30
Brigden.....	20 "	13,963.90	Hagersville.....	24 "	90,703.23
Brussels.....	19 "	15,720.83	Hamilton.....	26 "	5,980,249.19
Burford.....	22 "	16,532.70	Harriston.....	21 "	40,441.92
Burgessville.....	21 "	6,316.84	Harrow.....	19 "	31,183.94
Caledonia.....	25 "	27,519.48	Hensall.....	21 "	19,920.26
Campbellville.....	18 "	3,207.75	Hespeler.....	26 "	141,626.22
Cayuga.....	18 "	11,895.55	Highgate.....	21 "	11,398.79
Chatham.....	22 "	479,154.83	Humberstone.....	19 "	26,119.46
Chippawa.....	21 "	20,571.83	Ingersoll.....	26 "	220,696.65
Clifford.....	19 "	8,766.25	Jarvis.....	19 "	18,208.89
Clinton.....	23 "	56,045.42	Kingsville.....	19 "	49,619.69
Comber.....	22 "	21,751.30	Kitchener.....	26 "	1,574,135.39
Cottam.....	16 "	5,469.44	Lambeth.....	22 "	11,666.95
Courtright.....	19 "	6,835.94	LaSalle.....	17 "	17,034.38
Dashwood.....	20 "	10,094.57	Leamington.....	19 "	107,581.10
Delaware.....	22 "	4,066.68	Listowel.....	21 "	94,128.55
Delhi.....	5 "	7,569.51	London.....	26 "	2,918,917.07
Dorchester.....	23 "	9,164.51	London Township....	18 "	25,645.97
Drayton.....	19 "	15,158.18	Long Branch.....	12 "	34,238.81
Dresden.....	22 "	38,302.82	Lucan.....	22 "	21,615.94
Drumbo.....	23 "	7,995.57	Lynden.....	22 "	15,284.41
Dublin.....	20 "	6,705.82	Markham.....	19 "	23,392.77
Dundas.....	26 "	168,502.03	Merlin.....	19 "	13,638.46
Dunnville.....	20 "	75,501.99	Merritton.....	21 "	204,454.09

## NIAGARA SYSTEM

## N—SINKING FUND

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1942

Municipality	Period of years ended Oct. 31, 1942	Amount	Municipality	Period of years ended Oct. 31, 1942	Amount
		\$ c.			\$ c.
Milton.....	24 years	118,584.74	Smithville.....	2 years	956.69
Milverton.....	21 "	49,404.28	Springfield.....	20 "	10,557.52
Mimico.....	25 "	168,561.83	Stamford Twp.....	21 "	115,814.68
Mitchell.....	26 "	52,915.81	Stouffville.....	19 "	20,020.66
Moorefield.....	19 "	7,232.14	Stratford.....	26 "	693,747.26
Mount Brydges.....	22 "	9,096.89	Strathroy.....	23 "	104,279.80
Newbury.....	19 "	5,213.72	Streetsville.....	8 "	3,727.75
New Hamburg.....	26 "	57,807.69	Sutton.....	19 "	19,817.24
New Toronto.....	23 "	550,517.55	Swansea.....	17 "	102,546.96
Niagara Falls.....	22 "	666,703.32	Tavistock.....	21 "	53,188.05
Niagara-on-the-Lake.....	19 "	37,840.88	Tecumseh.....	20 "	30,829.47
North York Twp....	19 "	201,451.92	Thamesford.....	23 "	19,988.75
Norwich.....	25 "	42,810.91	Thamesville.....	22 "	20,441.27
Oil Springs.....	19 "	28,667.71	Thedford.....	19 "	11,223.64
Otterville.....	21 "	10,494.95	Thorndale.....	23 "	9,892.02
Palmerston.....	21 "	51,005.98	Thorold.....	20 "	120,913.45
Paris.....	23 "	132,712.67	Tilbury.....	22 "	56,662.58
Parkhill.....	19 "	22,620.66	Tillsonburg.....	26 "	103,669.53
Petrolia.....	21 "	119,127.05	Toronto.....	26 "	22,114,474.37
Plattsville.....	23 "	10,811.60	Toronto Township...	24 "	136,310.40
Point Edward.....	20 "	74,352.69	Trafalgar Twp., Area 1	6 "	7,296.63
Port Colborne.....	21 "	116,972.30	Trafalgar Twp., Area 2	6 "	2,514.17
Port Credit.....	25 "	48,830.28	Wallaceburg.....	22 "	222,134.28
Port Dalhousie.....	21 "	43,753.36	Wardsville.....	19 "	4,288.66
Port Dover.....	19 "	31,342.58	Waterdown.....	26 "	25,748.06
Port Rowan.....	16 "	8,198.30	Waterford.....	22 "	37,727.84
Port Stanley.....	25 "	48,077.06	Waterloo.....	26 "	310,009.60
Preston.....	26 "	303,056.86	Watford.....	20 "	28,105.38
Princeton.....	23 "	11,165.81	Welland.....	20 "	360,084.55
Queenston.....	19 "	8,196.92	Wellesley.....	21 "	18,592.15
Richmond Hill.....	18 "	24,123.25	West Lorne.....	21 "	28,712.50
Ridgetown.....	22 "	50,147.54	Weston.....	26 "	279,055.51
Riverside.....	20 "	96,086.88	Wheatley.....	19 "	16,271.96
Rockwood.....	24 "	13,093.81	Windsor.....	23 "	3,559,334.68
Rodney.....	20 "	16,029.18	Woodbridge.....	23 "	37,397.35
St. Catharines.....	21 "	755,672.72	Woodstock.....	26 "	475,839.23
St. Clair Beach.....	20 "	8,059.82	Wyoming.....	21 "	9,568.01
St. George.....	22 "	16,430.70	York Township.....	22 "	855,109.68
St. Jacobs.....	20 "	19,505.45	Zurich.....	20 "	15,358.15
St. Marys.....	26 "	153,720.54	Ontario Reformatory..	8 "	7,300.70
St. Thomas.....	26 "	580,769.72	Toronto Trans. Com.	21 "	196,700.80
Sarnia.....	21 "	738,577.86	Sandwich, Windsor & Amherstburg Railway	20 "	197,584.64
Scarborough Twp....	19 "	227,373.94			
Seaforth.....	26 "	70,824.71	Total—Municipalities.....		\$53,980,925.32
Simcoe.....	22 "	130,325.84	Total—Rural power districts		3,750,527.34
			Grand total.....		\$57,731,452.66

## NIAGARA SYSTEM

## N—RURAL OPERATING

## Rural Power Districts

## Operating Account for Year Ended October 31, 1942

Revenue from customers in rural power districts.....	\$3,626,530.90
Cost of power as provided to be paid under Power Commission Act..	\$1,543,018.46
Cost of operation, maintenance and administration.....	988,460.70
Interest.....	552,092.13
Provision for renewals.....	238,709.15
Provision for sinking fund.....	126,739.64
	<hr/> 3,449,020.08
Balance.....	<hr/> <u>\$ 177,510.82</u>



NIAGARA SYSTEM—RURAL LINES

Statement showing Interest, Renewals, Contingencies and Obsolescence and Sinking Fund charged by the Commission to the Municipalities which operate the respective rural lines for the year ended October 31, 1942

Operated by	Capital cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, obsolescence, contingencies and sinking fund charged
Milton.....	\$ c. 440.82	\$ c. 21.86	\$ c. 8.82	\$ c. 4.41	\$ c. 7.93	\$ c. 43.02
Welland.....	19,617.60	823.94	392.35	196.18	353.12	1,765.59
Totals.....	20,058.42	845.80	401.17	200.59	361.05	1,808.61

NIAGARA SYSTEM—RURAL LINES

Statement showing the total Sinking Fund in respect of each line, together with interest allowed thereon to October 31, 1942.

Operated by	Period of years ended October 31, 1942	Amount
Milton.....	29 years	\$ c. 396.29
Welland.....	30 years	18,843.30
Total.....		19,239.59

## GEORGIAN BAY

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1941	From Jan. 1, 1942			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Alliston.....	48.00	46.00	125,695.63	364.0	.....	4,999.48	5,323.98
Arthur.....	63.00	60.00	62,188.04	147.8	.....	3,777.48	2,639.14
Barrie.....	32.50	32.50	942,309.09	3,951.9	.....	40,772.02	40,027.32
Beaverton.....	40.00	39.00	73,234.39	257.4	.....	3,742.62	3,102.54
Beeton.....	62.00	60.00	53,818.95	124.0	.....	2,237.13	2,283.25
Bradford.....	50.00	48.00	73,587.76	215.7	.....	3,391.34	3,122.74
Brechin.....	48.50	47.00	16,741.42	49.7	.....	798.14	705.68
Cannington.....	40.50	40.00	51,536.20	182.9	.....	2,532.47	2,184.79
Chatsworth.....	41.00	40.00	25,585.36	78.0	.....	1,026.39	1,019.34
Chesley.....	35.50	35.50	149,012.72	543.6	.....	6,329.68	6,277.29
Coldwater.....	35.00	35.00	35,323.57	120.3	.....	1,501.87	1,525.20
Collingwood.....	37.00	36.00	627,726.98	2,484.2	.....	26,446.97	26,077.47
Cookstown.....	45.00	45.00	25,830.60	80.6	.....	1,040.07	1,096.56
Creemore.....	48.00	45.00	42,973.28	133.4	.....	2,012.75	1,803.96
Dundalk.....	37.00	37.00	61,405.13	232.0	.....	2,962.58	2,605.33
Durham.....	39.00	39.00	106,798.55	391.7	.....	5,022.80	4,538.71
Elmvale.....	39.50	39.50	43,568.11	166.8	.....	2,623.63	1,872.24
Elmwood.....	42.50	42.50	22,210.77	61.9	.....	1,094.22	855.68
Flesherton.....	45.00	45.00	17,424.63	57.5	.....	968.73	739.40
Grand Valley.....	53.00	51.00	42,164.01	117.6	.....	2,151.85	1,786.82
Gravenhurst.....	25.00	25.00	220,020.30	1,117.7	.....	9,528.54	9,364.28
Hanover.....	32.00	32.00	330,026.91	1,370.2	.....	14,317.60	14,006.03
Holstein.....	80.00	62.00	8,313.41	16.5	.....	612.97	354.77
Huntsville.....	28.00	28.00	283,137.54	1,193.6	.....	12,044.66	12,084.98
Kincardine.....	45.00	42.00	227,974.04	717.8	.....	9,067.05	9,613.16
Kirkfield.....	56.00	55.00	11,292.77	25.9	.....	438.12	479.46
Lucknow.....	51.00	48.00	115,019.48	318.1	.....	4,873.42	4,823.94
Markdale.....	37.00	37.00	47,555.49	183.9	.....	2,327.20	2,015.16
Meaford.....	40.00	39.00	186,840.51	672.5	.....	7,792.40	7,904.48
Midland.....	31.50	31.50	929,312.99	3,984.5	.....	40,519.53	39,458.64
Mildmay.....	45.00	42.00	41,348.30	133.5	.....	1,789.44	1,737.67
Mount Forest.....	44.00	44.00	155,400.03	485.6	.....	6,712.73	6,610.06
Neustadt.....	55.00	55.00	12,684.10	42.7	.....	671.65	527.89
Orangeville.....	44.00	43.00	225,955.25	728.2	.....	10,626.71	9,586.98
Owen Sound.....	32.00	32.00	1,278,855.41	5,085.9	.....	52,542.21	52,722.61

## SYSTEM

## G.B.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1942

costs and fixed charges				Cost-in excess of revenue from power sold to private com- panies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municip- ality by the Com- mission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for con- tingencies and ob- solescence	Provision for stabiliza- tion of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,738.92	1,006.90	1,092.00	1,317.69	43.72	15,522.69	16,871.21	1,348.52
927.92	442.67	443.40	651.84	17.75	8,900.20	8,954.75	54.55
10,429.91	9,639.27	11,855.70	9,857.46	474.69	123,056.37	128,437.29	5,380.92
914.64	672.15	772.20	765.93	30.92	10,001.00	10,084.02	83.02
812.37	373.13	372.00	564.71	14.89	6,657.48	7,481.29	823.81
1,012.51	593.67	647.10	771.39	25.91	9,564.66	10,428.90	864.24
228.63	137.82	149.10	175.28	5.97	2,200.62	2,345.09	144.47
640.70	475.75	548.70	539.40	21.97	6,943.78	7,330.97	387.19
314.54	218.12	234.00	251.78	9.37	3,073.54	3,135.19	61.65
1,793.07	1,408.89	1,630.80	1,544.62	65.30	19,049.65	19,296.02	246.37
456.59	326.53	360.90	373.30	14.45	4,558.84	4,211.37	(347.47)
7,030.27	6,147.64	7,452.60	6,446.01	298.40	79,899.36	89,839.85	9,940.49
345.01	222.15	241.80	270.69	9.68	3,225.96	3,627.76	401.80
570.44	360.61	400.20	447.72	16.02	5,611.70	6,071.53	459.83
732.34	593.18	696.00	641.89	27.87	8,259.19	8,582.53	323.34
1,298.93	1,000.98	1,175.10	1,116.64	47.05	14,200.21	15,274.33	1,074.12
526.65	428.85	500.40	461.56	20.04	6,433.37	6,588.60	155.23
272.26	179.45	185.70	211.73	7.44	2,806.48	2,630.07	(176.41)
225.62	152.18	172.50	182.31	6.91	2,447.65	2,586.95	139.30
591.98	333.92	352.80	441.60	14.13	5,673.10	6,042.05	368.95
2,032.39	2,572.06	3,353.10	2,304.90	134.26	29,289.53	27,942.92	(1,346.61)
3,666.68	3,396.89	4,110.60	3,444.32	164.59	43,106.71	43,847.71	741.00
131.01	51.71	49.50	87.21	1.98	1,289.15	1,088.89	(200.26)
3,133.56	2,872.10	3,580.80	2,968.53	143.37	36,828.00	33,421.04	(3,406.96)
3,012.35	1,914.99	2,153.40	2,379.03	86.22	28,226.20	30,503.01	2,276.81
170.51	77.95	77.70	118.39	3.11	1,365.24	1,429.84	64.60
1,599.11	896.96	954.30	1,193.37	38.21	14,379.31	15,439.13	1,059.82
558.13	460.30	551.70	497.03	22.09	6,431.61	6,804.31	372.70
2,299.73	1,728.83	2,017.50	1,953.79	80.78	23,777.51	26,352.41	2,574.90
10,071.62	9,588.18	11,953.50	9,704.84	478.61	121,774.92	125,512.88	3,737.96
538.66	360.67	400.50	431.10	16.04	5,274.08	5,685.93	411.85
2,070.31	1,306.44	1,456.80	1,626.51	58.33	19,841.18	21,364.57	1,523.39
162.26	111.86	128.10	132.60	5.13	1,739.49	2,349.88	610.39
2,962.98	1,930.97	2,184.60	2,364.54	87.47	29,744.25	31,443.00	1,698.75
13,948.60	12,522.77	15,257.70	12,962.91	610.89	160,567.69	162,748.34	2,180.65



## GEORGIAN BAY

Statement showing the amount chargeable (upon annual adjustment) to each  
it by the Commission; the amount received by the Commission  
or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse- power supplied in year after correc- tion for power factor	Share of operating		
	To Dec. 31, 1941	From Jan. 1, 1942			Cost of power pur- chased	Operating, main- tenance and adminis- trative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Paisley.....	50.00	47.00	46,477.43	129.4	.....	2,007.55	1,934.54
Penetanguishene..	36.50	35.00	248,053.95	976.8	.....	10,339.21	10,502.74
Port Elgin.....	39.00	39.00	154,777.91	502.4	.....	6,016.44	6,487.97
Port McNicoll...	37.00	37.00	22,905.32	82.9	.....	992.08	973.77
Port Perry.....	46.50	45.00	91,277.10	278.2	.....	4,470.39	3,868.72
Priceville.....	57.00	57.00	3,488.61	10.0	.....	146.23	145.88
Ripley.....	65.00	62.00	42,339.74	97.6	.....	1,907.05	1,766.27
Rosseau.....	80.00	62.00	25,168.48	35.7	.....	1,211.30	1,070.57
Shelburne.....	42.00	42.00	71,073.85	241.0	.....	3,548.02	3,029.76
Southampton...	39.00	39.00	162,127.85	554.2	.....	6,516.59	6,797.87
Stayner.....	38.00	38.00	77,200.01	278.2	.....	3,595.93	3,257.24
Sunderland.....	54.00	50.00	27,320.26	76.2	.....	1,336.15	1,155.04
Tara.....	42.00	42.00	33,457.57	102.5	.....	1,400.20	1,387.16
Teeswater.....	50.00	47.00	51,052.79	138.0	.....	2,263.08	2,168.07
Thornton.....	60.00	56.00	11,382.33	29.3	.....	534.89	479.55
Tottenham.....	70.00	62.00	44,656.82	93.0	.....	1,790.72	1,896.35
Uxbridge.....	48.50	45.00	112,112.36	333.4	.....	4,978.06	4,735.39
Victoria Harbour.	38.00	38.00	21,815.85	80.4	.....	1,074.34	925.62
Walkerton.....	34.00	34.00	228,042.30	911.2	.....	9,951.83	9,627.28
Waubashene....	38.00	37.00	24,652.04	93.9	.....	1,138.38	1,042.88
Warton.....	54.00	49.00	114,142.49	298.6	.....	4,577.11	4,740.95
Windermere.....	55.00	50.00	13,932.24	34.8	.....	689.39	584.21
Wingham.....	50.00	46.00	201,537.56	594.7	.....	7,835.71	8,446.57
Woodville.....	54.00	49.00	25,743.02	72.0	.....	1,192.00	1,088.70
Totals—Municipalities.....			8,527,609.60	31,882.0	.....	368,809.10	358,990.65
Totals—Rural power districts....			2,139,326.82	7,349.8	4,129.52	84,743.18	90,168.26
Totals—Companies.....			543,233.11	1,650.3	79,682.77	19,311.54	20,996.48
Totals—Local distribution systems			257,198.32	480.1	.....	16,462.81	11,002.39
			11,467,367.85				
Non-operating capital.....			46,693.70				
Grand totals.....			11,514,061.55	41,362.2	83,812.29	489,326.63	481,157.78

## SYSTEM

## G.B.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1942

costs and fixed charges				Cost-in excess of revenue from power sold to private com- panies	Amount charged to each muni- cipality in respect of power supplied to it in the year	Amount received from (or billed against) each muni- cipality by the Com- mission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for con- tingencies and ob- solescence	Provision for stabiliza- tion of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
640.62	364.99	388.20	480.25	15.54	5,831.69	6,157.25	325.56
2,873.71	2,428.04	2,930.40	2,592.19	117.33	31,783.62	34,432.49	2,648.87
1,977.22	1,323.70	1,507.20	1,596.06	60.35	18,968.94	19,592.31	623.37
280.96	218.23	248.70	239.51	9.96	2,963.21	3,068.85	105.64
1,231.39	745.96	834.60	955.68	33.42	12,140.16	12,583.65	443.49
48.40	29.89	30.00	36.53	1.20	438.13	570.00	131.87
628.28	292.41	292.80	438.62	11.72	5,337.15	6,105.83	768.68
427.74	131.43	107.10	264.64	4.29	3,217.07	2,320.57	(896.50)
912.08	640.25	723.00	746.47	28.95	9,628.53	10,122.35	493.82
2,017.07	1,434.09	1,662.60	1,674.27	66.57	20,169.06	21,612.20	1,443.14
941.25	729.88	834.60	802.92	33.42	10,195.24	10,573.06	377.82
383.91	212.83	228.60	286.32	9.15	3,612.00	3,864.70	252.70
433.42	285.47	307.50	341.44	12.31	4,167.50	4,303.60	136.10
730.01	416.34	414.00	536.82	16.58	6,544.90	6,570.13	25.23
165.26	87.56	87.90	119.38	3.52	1,478.06	1,662.61	184.55
695.14	291.94	279.00	468.74	11.17	5,433.06	5,926.04	492.98
1,529.80	904.92	1,000.20	1,173.78	40.05	14,362.20	15,223.60	861.40
264.51	206.77	241.20	228.09	9.66	2,950.19	3,056.13	105.94
2,597.78	2,281.30	2,733.60	2,374.44	109.45	29,675.68	30,979.38	1,303.70
292.38	243.52	281.70	257.68	11.28	3,267.82	3,489.15	221.33
1,610.68	850.61	895.80	1,177.92	35.87	13,888.94	14,927.60	1,038.66
204.91	101.62	104.40	146.33	4.18	1,835.04	1,756.24	(78.80)
2,746.43	1,627.55	1,784.10	2,103.02	71.43	24,614.81	27,761.95	3,147.14
361.33	200.92	216.00	269.79	8.65	3,337.39	3,615.14	277.75
101,215.48	80,556.76	95,646.00	88,513.51	3,829.61	1,097,561.11	1,146,028.46	54,920.36 (6,453.01)
27,082.64	19,281.31	22,049.40	22,171.68	882.84	270,508.83	270,508.83	.....
6,342.66	136,890.77	.....	5,162.97	(2,585.58)	265,801.61	265,801.61	.....
4,131.05	2,366.80	.....	2,705.40	(2,126.87)	34,541.58	34,541.58	.....
138,771.83	239,095.64	117,695.40	118,553.56	.....	1,668,413.13	1,716,880.48	54,920.36 (6,453.01)

## GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year; also the net amount Credited ended October 31, 1942, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1941	
		Credit	Charge
		\$ c.	\$ c.
Alliston.....	June 1918	1,971.95	
Arthur.....	Dec. 1916	710.98	
Barrie.....	April 1913	3,721.67	
Beaverton.....	Nov. 1914	742.24	
Beeton.....	Aug. 1918	777.45	
Bradford.....	Oct. 1918	799.66	
Brechin.....	Jan. 1915	320.87	
Cannington.....	Nov. 1914	445.60	
Chatsworth.....	Dec. 1915	230.27	
Chesley.....	July 1916	266.66	
Coldwater.....	Mar. 1913		351.14
Collingwood.....	Mar. 1913	8,101.65	
Cookstown.....	May 1918	195.55	
Creemore.....	Nov. 1914	929.05	
Dundalk.....	Dec. 1915	258.47	
Durham.....	Dec. 1915	148.17	
Elmvale.....	June 1913	249.12	
Elmwood.....	April 1918	256.65	
Flesherton.....	Dec. 1915	107.76	
Grand Valley.....	Dec. 1916	543.13	
Gravenhurst.....	Nov. 1915	556.60	
Hanover.....	Sept. 1916	73.51	
Holstein.....	May 1916		6.33
Huntsville.....	Sept. 1916		435.77
Kincardine.....	Mar. 1921	3,573.51	
Kirkfield.....	June 1920	98.34	
Lucknow.....	Jan. 1921	1,669.52	
Markdale.....	Mar. 1916	358.34	
Meaford.....	Jan. 1924	2,448.46	
Midland.....	July 1911	532.88	
Mildmay.....	Dec. 1932	771.79	
Mount Forest.....	Dec. 1915	282.24	
Neustadt.....	Dec. 1918	525.01	
Orangeville.....	July 1916	1,774.39	
Owen Sound.....	Dec. 1915		1,312.95



## SYSTEM

## G.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1941, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1942

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1942		Accumulated amount standing as a credit or charge on October 31, 1942	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,971.95	1,348.52	.....	1,348.52	.....
.....	710.98	54.55	.....	54.55	.....
.....	3,721.67	5,380.92	.....	5,380.92	.....
.....	742.24	83.02	.....	83.02	.....
.....	777.45	823.81	.....	823.81	.....
.....	799.66	864.24	.....	864.24	.....
.....	320.87	144.47	.....	144.47	.....
.....	445.60	387.19	.....	387.19	.....
.....	230.27	61.65	.....	61.65	.....
.....	266.66	246.37	.....	246.37	.....
351.14	.....	.....	347.47	.....	347.47
.....	8,101.65	9,940.49	.....	9,940.49	.....
.....	195.55	401.80	.....	401.80	.....
.....	929.05	459.83	.....	459.83	.....
.....	258.47	323.34	.....	323.34	.....
.....	148.17	1,074.12	.....	1,074.12	.....
.....	249.12	155.23	.....	155.23	.....
.....	256.65	.....	176.41	.....	176.41
.....	107.76	139.30	.....	139.30	.....
.....	543.13	368.95	.....	368.95	.....
.....	556.60	.....	1,346.61	.....	1,346.61
.....	73.51	741.00	.....	741.00	.....
6.33	.....	.....	200.26	.....	200.26
435.77	.....	.....	3,406.96	.....	3,406.96
.....	3,573.51	2,276.81	.....	2,276.81	.....
.....	98.34	64.60	.....	64.60	.....
.....	1,669.52	1,059.82	.....	1,059.82	.....
.....	358.34	372.70	.....	372.70	.....
.....	2,448.46	2,574.90	.....	2,574.90	.....
.....	532.88	3,737.96	.....	3,737.96	.....
.....	771.79	411.85	.....	411.85	.....
.....	282.24	1,523.39	.....	1,523.39	.....
.....	525.01	610.39	.....	610.39	.....
.....	1,774.39	1,698.75	.....	1,698.75	.....
1,475.77	162.82	2,180.65	.....	2,180.65	.....

## GEORGIAN BAY

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year; also the net amount Credited ended October 31, 1942, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1941	
		Credit	Charge
		\$ c.	\$ c.
Paisley.....	Sept. 1923	894.38	.....
Penetanguishene.....	July 1911	2,371.45	.....
Port Elgin.....	Mar. 1931	167.52	.....
Port McNicoll.....	Jan. 1915	14.54	.....
Port Perry.....	Sept. 1922	1,042.76	.....
Priceville.....	Mar. 1920	104.75	.....
Ripley.....	Jan. 1921	937.86	.....
Rosseau.....	July 1931	316.24	.....
Shelburne.....	July 1916	301.91	.....
Southampton.....	Feb. 1931	836.18	.....
Stayner.....	Oct. 1913	403.97	.....
Sunderland.....	Nov. 1914	524.63	.....
Tara.....	Feb. 1918	86.29	.....
Teeswater.....	Dec. 1920	849.58	.....
Thornton.....	Nov. 1918	247.02	.....
Tottenham.....	Oct. 1918	686.89	.....
Uxbridge.....	Sept. 1922	2,119.02	.....
Victoria Harbour.....	July 1914	96.48	.....
Walkerton.....	Feb. 1931	1,536.19	.....
Waubaushehene.....	Dec. 1914	303.03	.....
Wiarton.....	May 1931	2,709.05	.....
Windermere.....	June 1930	407.70	.....
Wingham.....	Dec. 1920	4,997.98	.....
Woodville.....	Nov. 1914	634.78	.....
Totals—Municipalities.....		56,031.69	2,106.19
Totals—Rural power districts.....		50,802.94	303,592.33
Grand totals.....		106,834.63	305,698.52

SYSTEM

G.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1941, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1942

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1942		Accumulated amount standing as a credit or charge on October 31, 1942	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	894.38	325.56	.....	325.56	.....
.....	2,371.45	2,648.87	.....	2,648.87	.....
.....	167.52	623.37	.....	623.37	.....
.....	14.54	105.64	.....	105.64	.....
.....	1,042.76	443.49	.....	443.49	.....
.....	104.75	131.87	.....	131.87	.....
.....	937.86	768.68	.....	768.68	.....
.....	316.24	.....	896.50	.....	896.50
.....	301.91	493.82	.....	493.82	.....
.....	836.18	1,443.14	.....	1,443.14	.....
.....	403.97	377.82	.....	377.82	.....
.....	524.63	252.70	.....	252.70	.....
.....	86.29	136.10	.....	136.10	.....
.....	849.58	25.23	.....	25.23	.....
.....	247.02	184.55	.....	184.55	.....
.....	686.89	492.98	.....	492.98	.....
.....	2,119.02	861.40	.....	861.40	.....
.....	96.48	105.94	.....	105.94	.....
.....	1,536.19	1,303.70	.....	1,303.70	.....
.....	303.03	221.33	.....	221.33	.....
.....	2,709.05	1,038.66	.....	1,038.66	.....
.....	407.70	.....	78.80	.....	78.80
.....	4,997.98	3,147.14	.....	3,147.14	.....
.....	634.78	277.75	.....	277.75	.....
2,269.01	56,194.51	54,920.36	6,453.01	54,920.36	6,453.01
2,519.97	13,861.17	4,252.66	73,557.99	53,007.10	386,443.02
4,788.98	70,055.68	59,173.02	80,011.00	107,927.46	392,896.03



## GEORGIAN BAY SYSTEM

## G.B.—SINKING FUND

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon, to October 31, 1942

Municipality	Period of years ended Oct. 31, 1942	Amount	Municipality	Period of years ended Oct. 31, 1942	Amount
		\$ c.			\$ c.
Alliston.....	19 years	28,164.80	Mildmay.....	10 years	4,222.51
Arthur.....	21 "	22,838.61	Mount Forest.....	22 "	39,156.42
Barrie.....	24 "	185,866.79	Neustadt.....	19 "	7,388.13
Beaverton.....	23 "	24,236.10	Orangeville.....	21 "	53,251.83
Beeton.....	19 "	18,279.86	Owen Sound.....	22 "	254,604.73
Bradford.....	19 "	21,545.62	Paisley.....	18 "	13,062.84
Brechin.....	23 "	8,864.21	Penetanguishene. . .	26 "	74,596.98
Cannington.....	23 "	18,250.77	Port Elgin.....	12 "	15,222.26
Chatsworth.....	22 "	5,382.55	Port McNicoll.....	23 "	7,444.69
Chesley.....	21 "	43,058.11	Port Perry.....	18 "	21,058.26
Coldwater.....	24 "	17,411.19	Priceville.....	18 "	1,128.18
Collingwood.....	24 "	162,282.09	Ripley.....	18 "	9,336.22
Cookstown.....	19 "	6,444.78	Rosseau.....	12 "	4,263.28
Creemore.....	23 "	14,089.40	Shelburne.....	21 "	22,585.25
Dundalk.....	22 "	15,199.96	Southampton.....	12 "	13,670.10
Durham.....	22 "	36,601.77	Stayner.....	24 "	19,821.53
Elmvale.....	24 "	17,626.37	Sunderland.....	23 "	11,865.16
Elmwood.....	19 "	4,955.33	Tara.....	19 "	9,993.83
Flesherton.....	22 "	7,707.46	Teeswater.....	18 "	14,545.55
Grand Valley.....	21 "	14,230.25	Thornton.....	19 "	3,941.41
Gravenhurst.....	22 "	36,105.74	Tottenham.....	19 "	12,574.43
Hanover.....	21 "	96,739.61	Uxbridge.....	18 "	22,705.39
Holstein.....	21 "	3,154.05	Victoria Harbour. . .	23 "	7,633.32
Huntsville.....	21 "	71,028.76	Walkerton.....	12 "	24,362.04
Kincardine.....	18 "	51,120.73	Waubashene.....	23 "	5,334.57
Kirkfield.....	18 "	3,760.37	Warton.....	12 "	17,412.66
Lucknow.....	18 "	23,654.95	Windermere.....	13 "	2,914.63
Markdale.....	21 "	12,278.94	Wingham.....	18 "	44,210.14
Meaford.....	18 "	36,473.45	Woodville.....	23 "	11,577.95
Midland.....	24 "	258,604.11			
			Total—Municipalities.....		\$2,015,841.02
			Total—Rural power districts .		442,190.75
			Grand total.....		\$2,458,031.77

G.B.—RURAL OPERATING

GEORGIAN BAY SYSTEM

Rural Power Districts

Operating Account for Year Ended October 31, 1942

Revenue from customers in rural power districts.....	\$604,965.50
Cost of power as provided to be paid under Power Commission Act.....	\$270,508.83
Cost of operation, maintenance and administration.....	201,531.63
Interest.....	119,181.42
Provision for renewals.....	53,743.14
Provision for sinking fund.....	29,305.81
	<u>674,270.83</u>
Balance.....	<u>\$ 69,305.33</u>

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing Interest, Renewals, Contingencies, Obsolescence and Sinking Fund charged by the Commission to the Municipality which operates the rural line, for the year ended October 31, 1942

Operated by	Capital cost	Interest	Provision for renewals	Provision for contingencies and obsolescence	Provision for sinking fund	Total interest, renewals, obsolescence, contingencies and sinking fund charged
Brechin.....	\$ c. 922.02	\$ c. 48.22	\$ c. 18.44	\$ c. 9.22	\$ c. 16.60	\$ c. 92.48

GEORGIAN BAY SYSTEM—RURAL LINES

Statement showing the total Sinking Fund paid in respect of this line, together with interest allowed thereon to October 31, 1942

	Period of years ended October 31, 1942	Amount
Brechin.....	24 years	\$ c. 608.07

## EASTERN ONTARIO

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1941	From Jan. 1, 1942			Cost of power purchased	Operating, maintenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Alexandria.....	52.00	50.00	77,659.41	213.9	1,324.48	2,325.79	2,954.38
Apple Hill.....	44.00	44.00	12,535.79	45.1	279.26	453.03	469.73
Arnprior.....	30.00	28.00	167,579.72	1,112.0	6,885.54	6,669.90	5,676.98
Athens.....	45.00	45.00	38,185.90	117.6	728.18	1,150.48	1,444.07
Bath.....	50.00	50.00	13,935.37	39.4	243.97	451.88	530.98
Belleville.....	26.00	26.00	1,117,055.06	7,010.3	43,408.01	38,488.05	38,565.44
Bloomfield.....	47.00	45.00	35,044.45	111.2	688.55	1,283.36	1,311.40
Bowmanville....	31.00	31.00	519,073.36	2,662.7	16,487.53	19,472.81	18,499.15
Brighton.....	32.00	32.00	74,077.32	347.0	2,148.64	2,200.66	2,688.03
Brockville.....	26.00	26.00	760,194.77	4,551.4	28,182.42	27,891.35	26,594.88
Cardinal.....	30.00	30.00	51,895.50	296.1	1,833.46	2,026.61	1,804.82
Carleton Place..	28.00	28.00	308,133.51	1,752.8	10,853.40	10,443.24	10,815.94
Chesterville....	33.00	33.00	58,278.46	277.0	1,715.19	2,696.79	2,105.84
Cobden.....	55.00	52.00	27,849.39	82.9	513.32	1,085.78	1,051.86
Cobourg.....	31.00	31.00	433,476.49	2,271.2	14,063.35	16,416.75	15,409.45
Colborne.....	33.50	33.50	46,603.29	200.9	1,243.98	1,492.63	1,704.03
Deseronto.....	46.00	43.00	47,199.46	171.4	1,061.31	1,955.98	1,807.27
Finch.....	42.00	41.00	24,545.37	90.6	561.00	1,094.11	908.64
Hastings.....	42.00	41.00	25,976.91	99.0	613.01	1,152.99	958.12
Havelock.....	46.50	45.00	44,803.43	131.4	813.63	1,514.61	1,699.02
Iroquois.....	27.50	27.50	37,283.30	231.7	1,434.69	1,529.86	1,288.14
Kemptville.....	35.00	35.00	82,278.70	358.4	2,219.22	2,859.66	3,006.48
Kingston.....	28.00	28.00	2,168,864.91	12,802.8	79,275.36	72,849.31	75,598.23
Lakefield.....	37.00	35.00	58,025.46	318.6	1,972.78	2,139.91	2,027.15
Lanark.....	40.00	40.00	23,512.65	84.2	521.37	939.46	878.72
Lancaster.....	55.00	52.00	17,467.28	45.7	282.98	580.14	666.70
Lindsay.....	33.00	33.00	798,618.06	3,649.8	22,599.68	28,895.70	25,584.03
Madoc.....	46.50	45.00	51,245.78	188.3	1,165.96	3,113.70	1,817.65
Marmora.....	38.00	38.00	32,115.40	127.3	788.25	1,169.03	1,184.00
Martintown....	40.00	38.00	7,807.02	34.8	215.48	370.04	281.76
Maxville.....	48.00	47.00	32,755.39	102.0	631.59	985.84	1,237.50
Millbrook.....	42.00	40.00	20,656.35	84.3	521.99	828.88	749.56
Morrisburg.....	32.50	32.50	45,941.37	232.0	1,436.55	1,783.56	1,645.18
Napanee.....	30.00	30.00	240,833.34	1,321.4	8,182.15	10,175.70	8,511.09
Newcastle.....	33.50	33.50	45,735.13	200.6	1,242.12	1,600.54	1,599.74



## SYSTEM

## E.O.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1942

costs and fixed charges				Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,236.49	559.39	641.70	760.13	30.42	9,832.78	10,781.04	948.26
183.94	111.58	135.30	119.85	6.41	1,759.10	1,983.29	224.19
1,713.06	2,278.53	3,336.00	1,469.19	158.13	28,187.33	31,507.16	3,319.83
589.60	292.98	352.80	370.42	16.72	4,945.25	5,292.02	346.77
202.60	99.04	118.20	136.12	5.60	1,788.39	1,969.18	180.79
8,800.75	13,807.16	21,030.90	9,873.98	996.91	174,971.20	182,267.05	7,295.85
486.11	272.91	333.60	339.06	15.81	4,730.80	5,040.17	309.37
5,227.34	5,602.13	7,988.10	4,742.63	378.65	78,398.34	82,543.20	4,144.86
811.32	771.66	1,041.00	686.55	49.35	10,397.21	11,104.28	707.07
8,465.10	9,417.99	13,654.20	6,778.68	647.24	121,631.86	118,337.26	(3,294.60)
594.21	631.47	888.30	463.90	42.11	8,284.88	8,882.00	597.12
3,567.97	3,682.05	5,258.40	2,772.70	249.26	47,642.96	49,077.17	1,434.21
756.04	616.82	831.00	539.36	39.39	9,300.43	9,139.65	(160.78)
434.25	213.92	248.70	270.92	11.79	3,830.54	4,350.74	520.20
4,282.73	4,780.70	6,813.60	3,952.64	322.98	66,042.20	70,406.92	4,364.72
544.03	464.92	602.70	436.61	28.57	6,517.47	6,731.55	214.08
642.24	429.62	514.20	466.26	24.37	6,901.25	7,456.52	555.27
356.96	215.46	271.80	234.16	12.88	3,655.01	3,730.50	75.49
328.33	233.79	297.00	246.87	14.08	3,844.19	4,078.82	234.63
642.28	336.11	394.20	436.38	18.69	5,854.92	5,948.38	93.46
402.51	479.71	695.10	330.12	32.95	6,193.08	6,370.84	177.76
1,115.04	811.91	1,075.20	769.90	50.97	11,908.38	12,545.16	636.78
18,648.77	25,545.43	38,408.40	19,389.00	1,820.64	331,535.14	358,479.07	26,943.93
545.07	654.72	955.80	525.14	45.31	8,865.88	11,257.09	2,391.21
345.61	203.84	252.60	224.92	11.97	3,378.49	3,366.02	(12.47)
281.68	122.14	137.10	171.62	6.50	2,248.86	2,403.54	154.68
7,313.80	7,670.28	10,949.40	6,579.04	519.03	110,110.96	120,444.96	10,334.00
620.86	443.85	564.90	467.64	26.78	8,221.34	8,525.40	304.06
396.42	305.12	381.90	303.87	18.10	4,546.69	4,835.50	288.81
104.61	79.28	104.40	72.83	4.95	1,233.35	1,334.90	101.55
504.09	257.95	306.00	317.43	14.51	4,254.91	4,812.30	557.39
250.29	196.22	252.90	194.79	11.99	3,006.62	3,402.95	396.33
575.34	521.29	696.00	421.26	32.99	7,112.17	7,539.53	427.36
2,264.39	2,745.57	3,964.20	2,179.98	187.91	38,210.99	39,641.00	1,430.01
496.27	448.55	601.80	411.24	28.53	6,428.79	6,719.28	290.49

## EASTERN ONTARIO

Statement showing the amount chargeable (upon annual adjustment) to each it by the Commission; the amount received by the Commission or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Commission during year		Share of capital cost of system	Average horse-power supplied in year after correction for power factor	Share of operating		
	To Dec. 31, 1941	From Jan. 1, 1942			Cost of power purchased	Operating, main-tenance and administrative expenses	Interest
	\$ c.	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Norwood.....	35.50	35.50	28,778.73	134.2	830.97	1,366.59	1,039.23
Omemece.....	35.00	35.00	38,381.41	167.2	1,035.31	1,318.20	1,405.23
Orono.....	40.00	38.00	23,405.32	86.1	533.13	791.40	836.34
Oshawa.....	30.50	30.50	3,385,725.11	17,109.3	105,941.35	120,814.73	119,035.66
Ottawa.....			964.70	19,749.4	217,243.58	131.23	39.76
Ottawa.....	20.50	20.50	1,794,087.07	14,518.2	89,897.18	74,010.25	59,065.29
Perth.....	28.00	28.00	282,738.09	1,673.6	10,362.99	10,195.79	9,851.58
Peterborough...	26.00	26.00	2,004,252.13	12,069.2	74,732.89	67,643.89	69,817.07
Pictou.....	39.50	38.00	281,851.53	1,095.5	6,783.37	10,536.15	10,369.06
Port Hope.....	31.00	31.00	440,462.30	2,336.5	14,467.69	19,317.53	15,631.34
Prescott.....	26.50	26.50	223,874.81	1,304.3	8,076.27	8,126.15	7,751.27
Richmond.....	50.00	47.00	22,109.77	68.5	424.15	752.81	827.63
Russell.....	46.00	46.00	21,400.07	65.3	404.34	959.36	809.33
Smiths Falls....	25.00	25.00	399,436.53	2,623.0	16,241.70	14,509.67	13,710.49
Stirling.....	27.00	27.00	44,553.66	272.0	1,684.23	1,697.57	1,546.07
Trenton.....	24.00	24.00	744,040.19	4,806.5	29,762.01	24,723.73	25,632.90
Tweed.....	45.00	45.00	66,190.86	233.3	1,444.60	3,732.35	2,467.93
Warkworth.....	40.00	38.00	18,894.87	73.7	456.35	908.52	691.77
Wellington.....	38.00	38.00	49,675.76	199.4	1,234.69	1,867.95	1,829.41
Westport.....	55.00	52.00	40,014.42	93.9	581.43	1,083.45	1,540.03
Whitby.....	30.50	30.50	280,852.30	1,451.3	8,986.50	10,014.00	9,986.39
Williamsburg...	30.00	30.00	19,052.41	99.1	613.63	758.88	679.14
Winchester.....	31.00	31.00	62,070.70	323.7	2,004.36	2,732.91	2,208.21
Totals—Municipalities.....			17,820,055.84	121,919.0	849,881.12	648,081.24	619,847.09
Totals—Rural power districts....			2,506,635.18	13,180.9	98,660.06	85,127.73	90,565.56
Totals—Companies.....			6,572,468.96	35,945.7	296,040.86	198,331.23	228,893.58
Totals—Local distribution systems.....			115,073.94	464.8	2,878.05	6,967.06	4,256.63
			27,014,233.92				
Non-operating capital.....			8,846.41				
Grand totals.....			27,023,080.33	171,510.4	1,247,460.09	938,507.26	943,562.86

SYSTEM

E.O.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited supplied to it in the year ended October 31, 1942

costs and fixed charges				Cost in excess of revenue from power sold to private companies	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited or charged to each municipality Credited (Charged)
Provision for renewals	Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
316.37	300.83	402.60	266.89	19.08	4,542.56	4,763.50	220.94
444.65	379.70	501.60	359.09	23.78	5,467.56	5,853.18	385.62
288.51	201.97	258.30	216.26	12.24	3,138.15	3,305.36	167.21
33,695.45	35,815.12	51,327.90	30,530.30	2,433.06	499,593.57	521,833.39	22,239.82
19.30	4.82	.....	10.16	.....	217,448.85	217,448.85	.....
14,537.61	27,836.54	43,554.60	14,985.20	2,064.58	325,951.25	297,622.05	(28,329.20)
3,177.31	3,492.93	5,020.80	2,526.61	238.00	44,866.01	46,861.04	1,995.03
16,770.82	23,974.98	36,207.60	17,851.88	1,716.32	308,715.45	313,799.63	5,084.18
3,521.08	2,478.72	3,286.50	2,672.76	155.79	39,803.43	41,918.90	2,115.47
4,296.31	4,885.88	7,009.50	4,008.60	332.27	69,949.12	72,432.79	2,483.67
2,491.25	2,728.65	3,912.90	1,977.00	185.48	35,248.97	34,564.62	(684.35)
341.63	170.36	205.50	214.46	9.74	2,946.28	3,256.51	310.23
331.46	164.57	195.90	207.83	9.29	3,082.08	3,005.33	(76.75)
4,105.87	5,348.35	7,869.00	3,499.81	373.01	65,657.90	65,574.82	(83.08)
365.71	539.81	816.00	395.88	38.68	7,083.95	7,343.57	259.62
5,597.08	9,394.43	14,419.50	6,539.85	683.52	116,753.02	115,355.52	(1,397.50)
873.21	549.20	699.90	634.14	33.18	10,434.51	10,498.16	63.65
235.55	170.27	221.10	179.11	10.48	2,873.15	2,827.23	(45.92)
608.38	456.46	598.20	469.37	28.36	7,092.82	7,575.30	482.48
661.29	269.16	281.70	396.07	13.35	4,826.48	4,932.34	105.86
2,802.76	2,994.14	4,353.90	2,560.54	206.38	41,904.61	44,264.76	2,360.15
234.32	219.70	297.30	173.92	14.09	2,990.98	2,972.00	(18.98)
761.55	705.62	971.10	566.08	46.03	9,995.86	10,035.21	39.35
170,207.57	208,386.30	306,508.80	158,697.00	14,529.20	2,976,138.32	3,050,348.50	108,313.81 (34,103.63)
28,365.11	28,127.50	39,542.70	23,139.13	1,874.41	395,402.20	395,402.20	.....
64,767.26	231,358.07	.....	57,491.72	(23,482.86)	1,053,399.86	1,053,399.86	.....
1,517.09	975.77	.....	1,087.55	7,079.25	24,761.40	24,761.40	.....
264,857.03	468,847.64	346,051.50	240,415.40	.....	4,449,701.78	4,523,911.96	108,313.81 (34,103.63)



## EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year; also the net amount Credited ended October 31, 1942, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1941	
		Credit	Charge
		\$ c.	\$ c.
Alexandria.....	Jan. 1921	1,005.23	
Apple Hill.....	April 1921		29.36
Arnprior.....	Jan. 1939	4,189.15	
Athens.....	Jan. 1929	341.96	
Bath.....	Nov. 1931	135.96	
Belleville.....	April 1929	4,702.68	
Bloomfield.....	April 1919	641.17	
Bowmanville.....	Oct. 1931	3,776.48	
Brighton.....	Nov. 1929		52.25
Brockville.....	April 1915		3,382.76
Cardinal.....	July 1930	530.16	
Carleton Place.....	May 1919	2,108.69	
Chesterville.....	April 1914	292.23	
Cobden.....	Nov. 1925	433.83	
Cobourg.....	Jan. 1932	3,687.26	
Colborne.....	Jan. 1933	256.92	
Deseronto.....	Jan. 1931	988.12	
Finch.....	Feb. 1928	397.06	
Hastings.....	June 1931	416.03	
Havelock.....	Feb. 1921	475.94	
Iroquois.....	Feb. 1940	205.38	
Kemptville.....	Dec. 1921	398.64	
Kingston.....	Nov. 1937	17,499.28	
Lakefield.....	Aug. 1920	1,416.34	
Lanark.....	Sept. 1921	84.21	
Lancaster.....	May 1921	286.44	
Lindsay.....	Mar. 1928	9,899.94	
Madoc.....	Jan. 1930	657.21	
Marmora.....	Jan. 1921	281.57	
Martintown.....	May 1921	184.80	
Maxville.....	Feb. 1921	298.48	
Millbrook.....	Dec. 1938	611.38	
Morrisburg.....	June 1938	164.81	
Napanee.....	Nov. 1929	1,236.58	
Newcastle.....	Jan. 1937	553.95	

SYSTEM

E.O.—CREDIT OR CHARGE

power supplied to it to October 31, 1941, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1942

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1942		Accumulated amount standing as a credit or charge on October 31, 1942	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
	1,005.23	948.26		948.26	
29.36		224.19		224.19	
	4,189.15	3,319.83		3,319.83	
	341.96	346.77		346.77	
	135.96	180.79		180.79	
	4,702.68	7,295.85		7,295.85	
	641.17	309.37		309.37	
	3,776.48	4,144.86		4,144.86	
52.25		707.07		707.07	
3,382.76			3,294.60		3,294.60
	530.16	597.12		597.12	
	2,108.69	1,434.21		1,434.21	
	292.23		160.78		160.78
	433.83	520.20		520.20	
	3,687.26	4,364.72		4,364.72	
	256.92	214.08		214.08	
	988.12	555.27		555.27	
	397.06	75.49		75.49	
	416.03	234.63		234.63	
	475.94	93.46		93.46	
	205.38	177.76		177.76	
	398.64	636.78		636.78	
	17,499.28	26,943.93		26,943.93	
	1,416.34	2,391.21		2,391.21	
	84.21		12.47		12.47
	286.44	154.68		154.68	
	9,899.94	10,334.00		10,334.00	
	657.21	304.06		304.06	
	281.57	288.81		288.81	
	184.80	101.55		101.55	
	298.48	557.39		557.39	
	611.38	396.33		396.33	
	164.81	427.36		427.36	
	1,236.58	1,430.01		1,430.01	
	553.95	290.49		290.49	

## EASTERN ONTARIO

Statement showing the net Credit or Charge to each Municipality in respect of and adjustments made during the year; also the net amount Credited ended October 31, 1942, and the accumulated amount standing

Municipality	Date commenced operating	Net credit or charge at October 31, 1941	
		Credit	Charge
		\$ c.	\$ c.
Norwood.....	Feb. 1921	282.55	.....
Omemece.....	Jan. 1940	11.44	.....
Orono.....	Nov. 1938	478.50	.....
Oshawa.....	Feb. 1929	27,720.96	.....
Ottawa.....	Jan. 1914	.....	23,024.02
Perth.....	Feb. 1919	2,264.01	.....
Peterborough.....	Mar. 1913	3,293.35	.....
Picton.....	April 1919	5,145.98	.....
Port Hope.....	Nov. 1929	3,067.98	.....
Prescott.....	Dec. 1913	.....	699.64
Richmond.....	Aug. 1928	552.26	.....
Russell.....	Feb. 1926	190.22	.....
Smiths Falls.....	Sept. 1918	.....	763.83
Stirling.....	Jan. 1930	172.58	.....
Trenton.....	Sept. 1931	.....	1,804.77
Tweed.....	Dec. 1930	816.97	.....
Warkworth.....	Oct. 1923	438.48	.....
Wellington.....	April 1919	463.92	.....
Westport.....	Nov. 1931	581.52	.....
Whitby.....	Jan. 1926	2,200.64	.....
Williamsburg.....	April 1915	71.96	.....
Winchester.....	Jan. 1914	373.83	.....
Totals—Municipalities.....		106,285.03	29,756.63
Totals—Rural power districts.....		337,073.58	216,943.17
Grand totals.....		443,358.61	246,699.80



SYSTEM

E.O.—CREDIT OR CHARGE

power supplied to it to October 31, 1941, the cash receipts and payments thereon or Charged to each Municipality in respect of power supplied in the year as a Credit or Charge to each Municipality at October 31, 1942

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1942		Accumulated amount standing as a credit or charge on October 31, 1942	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	282.55	220.94	.....	220.94	.....
.....	11.44	385.62	.....	385.62	.....
.....	478.50	167.21	.....	167.21	.....
.....	27,720.96	22,239.82	.....	22,239.82	.....
23,024.02	.....	.....	28,329.20	.....	28,329.20
.....	2,264.01	1,995.03	.....	1,995.03	.....
.....	3,293.35	5,084.18	.....	5,084.18	.....
.....	5,145.98	2,115.47	.....	2,115.47	.....
.....	3,067.98	2,483.67	.....	2,483.67	.....
699.64	.....	.....	684.35	.....	684.35
.....	552.26	310.23	.....	310.23	.....
.....	190.22	.....	76.75	.....	76.75
763.83	.....	.....	83.08	.....	83.08
.....	172.58	259.62	.....	259.62	.....
1,804.77	.....	.....	1,397.50	.....	1,397.50
.....	816.97	63.65	.....	63.65	.....
.....	438.48	.....	45.92	.....	45.92
.....	463.92	482.48	.....	482.48	.....
.....	581.52	105.86	.....	105.86	.....
.....	2,200.64	2,360.15	.....	2,360.15	.....
.....	71.96	.....	18.98	.....	18.98
.....	373.83	39.35	.....	39.35	.....
29,756.63	106,285.03	108,313.81	34,103.63	108,313.81	34,103.63
14,453.65	11,043.71	75,106.39	49,919.79	414,547.83	265,820.88
44,210.28	117,328.74	183,420.20	84,023.42	522,861.64	299,924.51

## E.O.—SINKING FUND

## EASTERN ONTARIO SYSTEM

## Sinking Fund

Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder as part of the cost of power delivered thereto, together with its proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon, to October 31, 1942

Municipality	Period of years ended Oct. 31, 1942	Amount	Municipality	Period of years ended Oct. 31, 1942	Amount
		\$ c.			\$ c.
Alexandria.....	18 years	34,838.29	Maxville.....	18 years	11,083.06
Apple Hill.....	18 "	3,864.99	Millbrook.....	4 "	969.59
Arnprior.....	4 "	7,719.60	Morrisburg.....	5 "	2,238.75
Athens.....	14 "	7,526.78	Napanee.....	13 "	49,727.82
Bath.....	11 "	2,514.64	Newcastle.....	6 "	2,590.79
Belleville.....	14 "	207,564.84	Norwood.....	14 "	7,069.70
Bloomfield.....	14 "	7,428.67	Omeme.....	3 "	1,357.98
Bowmanville.....	11 "	75,037.32	Orono.....	4 "	1,076.36
Brighton.....	13 "	13,734.01	Oshawa.....	14 "	636,203.02
Brockville.....	22 "	201,212.55	Ottawa.....	27 "	234,831.68
Cardinal.....	13 "	7,014.95	Perth.....	18 "	81,054.51
Carleton Place.....	18 "	91,977.57	Peterborough.....	14 "	373,576.39
Chesterville.....	23 "	30,760.42	Picton.....	14 "	62,922.52
Cobden.....	7 "	1,914.26	Port Hope.....	13 "	69,740.60
Cobourg.....	11 "	58,265.37	Prescott.....	23 "	57,014.87
Colborne.....	10 "	5,220.30	Richmond.....	15 "	3,567.73
Deseronto.....	12 "	8,599.57	Russell.....	17 "	6,510.50
Finch.....	15 "	5,233.11	Smiths Falls.....	19 "	117,662.10
Hastings.....	12 "	4,510.65	Stirling.....	13 "	10,365.59
Havelock.....	14 "	14,052.04	Trenton.....	11 "	98,101.40
Iroquois.....	3 "	1,293.90	Tweed.....	12 "	11,691.26
Kemptville.....	18 "	24,053.22	Warkworth.....	14 "	4,592.84
Kingston.....	5 "	115,352.93	Wellington.....	14 "	11,818.24
Lakefield.....	14 "	15,444.07	Westport.....	11 "	5,948.43
Lanark.....	18 "	7,227.32	Whitby.....	14 "	60,261.15
Lancaster.....	18 "	7,059.21	Williamsburg.....	22 "	7,258.26
Lindsay.....	14 "	116,528.66	Winchester.....	23 "	22,627.88
Madoc.....	13 "	9,465.10			
Marmora.....	14 "	6,720.26	Total—Municipalities.....		\$3,046,431.97
Martintown.....	18 "	2,434.35	Total—Rural power districts..		732,772.08
			Grand total.....		\$3,779,204.05

*E.O.—RURAL OPERATING***EASTERN ONTARIO SYSTEM****Rural Power Districts****Operating Account for Year Ended October 31, 1942**

Revenue from customers in rural power districts.....	\$1,067,573.12
Cost of power provided to be paid under Power Commission Act....	\$395,402.20
Cost of operation, maintenance and administration.....	333,888.71
Interest.....	180,417.66
Provision for renewals.....	86,582.02
Provision for sinking fund.....	46,095.93
	<hr/>
	1,042,386.52
Balance.....	<hr/>
	\$25,186.60
	<hr/>



## THUNDER BAY

Statement showing the amount chargeable (upon annual adjustment) to each  
it by the Commission; the amount received by the Commission  
or charged to each Municipality in respect of power

Municipality	Interim rates per horsepower collected by Com- mission during year	Share of capital cost of system	Average horse- power supplied in year after correction for power factor	Share of operating		
	To Oct. 31, 1942			Operating, main- tenance and adminis- trative expense	Interest	Provision for renewals
	\$ c.	\$ c.		\$ c.	\$ c.	\$ c.
Fort William.....	21.00	2,936,547.76	14,861.1	50,959.84	143,593.31	26,205.69
Nipigon Township....	28.00	32,834.37	187.6	1,598.29	1,594.78	272.05
Port Arthur.....	21.00	3,242,582.04	16,456.2	56,279.74	158,188.79	28,881.08
Totals—Municipalities.....		6,211,964.17	31,504.9	108,837.87	303,376.88	55,358.82
Totals—Rural power districts....		150,487.59	631.1	2,365.90	7,341.51	1,494.06
Totals—Companies.....		10,375,667.53	54,398.0	174,599.97	507,452.16	88,226.51
Totals—Mining area—mines.....		2,769,601.45	11,978.7	52,907.17	135,541.69	14,324.22
Totals—Mining area—townsites....		264,092.95	654.8	16,607.15	12,898.42	783.01
Grand totals.....		19,771,813.69	99,167.5	355,318.06	966,610.66	160,186.62

## THUNDER BAY

Statement showing the net Credit or Charge to each Municipality in respect of  
adjustments made and interest added during the year; also the net amount  
in the year ended October 31, 1942, and the accumulated amount

Municipality	Date commenced operating	Net credit or charge at October 31, 1941	
		Credit	Charge
		\$ c.	\$ c.
Fort William.....	Oct. 1926	1,367.85	.....
Nipigon Township.....	Jan. 1925	666.34	.....
Port Arthur.....	Dec. 1910	20,120.82	.....
Total—Municipalities.....		22,155.01	.....
Total—Rural power districts.....			10,473.47
		22,155.01	10,473.47

SYSTEM

T.B.—COST OF POWER

Municipality as the Cost—under Power Commission Act—of Power supplied to from each Municipality, and the amount remaining to be credited Supplied to it in the year ended October 31, 1942

costs and fixed charges			Revenue received in excess of cost of power sold to private companies Credit	Amount charged to each municipality in respect of power supplied to it in the year	Amount received from (or billed against) each municipality by the Commission	Amount remaining to be credited to each municipality
Provision for contingencies and obsolescence	Provision for stabilization of rates	Provision for sinking fund				
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
28,615.14	22,291.65	30,920.37	4,814.46	297,771.54	312,083.12	14,311.58
341.64	281.40	345.73	60.78	4,373.11	5,251.63	878.52
31,640.73	24,684.30	34,142.75	5,331.22	328,486.17	345,579.31	17,093.14
60,597.51	47,257.35	65,408.85	(10,206.46)	630,630.82	662,914.06	32,283.24
1,342.25	946.65	1,580.57	(204.45)	14,866.49	14,866.49	.....
113,902.64	.....	107,768.19	10,410.91	1,002,360.38	1,002,360.38	.....
103,607.85	89,616.01	19,834.10	.....	415,831.04	415,831.04	.....
16,133.53	(585.78)	1,084.20	.....	46,920.53	46,920.53	.....
295,583.78	137,234.23	195,675.91	.....	2,110,609.26	2,142,892.50	32,283.24

SYSTEM

T.B.—CREDIT OR CHARGE

power supplied to it to October 31, 1941, the cash receipts and payments thereon, Credited or Charged to each Municipality in respect of power supplied standing as a Credit or Charge to each Municipality at October 31, 1942

Cash receipts and payments on account of such credits and charges, also adjustments made during the year		Net amount credited or charged in respect of power supplied in the year ended October 31, 1942		Accumulated amount standing as a credit or charge on October 31, 1942	
Credited	Charged	Credited	Charged	Credit	Charge
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	1,367.85	14,311.58	.....	14,311.58	.....
.....	666.34	878.52	.....	878.52	.....
.....	20,120.82	17,093.14	.....	17,093.14	.....
.....	22,155.01	32,283.24	.....	32,283.24	.....
212.05	459.00	.....	2,106.38	.....	12,826.80
212.05	22,614.01	32,283.24	2,106.38	32,283.24	12,826.80

*T.B.—SINKING FUND***THUNDER BAY SYSTEM**

**Statement showing Sinking Fund paid by each Municipality in the periods mentioned hereunder, as part of the cost of power delivered thereto, together with the proportionate share of other sinking funds provided out of other revenues of the system, and interest allowed thereon to October 31, 1942**

Municipality	Period of years ended October 31, 1942	Amount
Fort William.....	16 years	\$ c. 822,705.14
Nipigon township.....	16 "	7,422.93
Port Arthur.....	16 "	2,494,278.32
Total—Municipalities.....		3,324,406.39
Total—Rural power districts.....		28,949.66
Grand total.....		3,353,356.05

*T.B.—RURAL OPERATING***THUNDER BAY SYSTEM****Rural Power Districts****Operating Account for Year Ended October 31, 1942**

Revenue from customers in rural power districts.....	\$47,424.49
Cost of power as provided to be paid under Power Commission Act.....	\$14,866.49
Cost of operation, maintenance and administration.....	14,994.87
Interest.....	12,110.24
Provision for renewals.....	4,952.03
Provision for sinking fund.....	2,607.24
	<hr/> 49,530.87
Balance.....	<hr/> \$2,106.38



**NORTHERN ONTARIO PROPERTIES**

(Operated by The Hydro-Electric Power Commission of Ontario)

**FINANCIAL ACCOUNTS**

For the Year ended October 31, 1942

Relating to Power Properties which are held and operated by the Commission in trust for the Province of Ontario, and which are situated in the following Northern Districts:

Abitibi

Sudbury

Nipissing

Patricia

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**STATEMENTS**

Balance Sheet as at October 31, 1942

Operating Account for the Year ended October 31, 1942

Schedules supporting the Balance Sheet as at October 31, 1942

Fixed Assets—By Districts

Renewals Reserves

Contingencies and Obsolescence Reserves

Sinking Fund Reserves

## NORTHERN ONTARIO

Held and Operated by The Hydro-Electric Power

## BALANCE SHEET AS AT

## ASSETS

## FIXED ASSETS:

Nipissing district.....	\$ 1,384,129.74	
Sudbury district.....	4,473,796.94	
Abitibi district.....	29,280,196.26	
Patricia district.....	4,418,482.61	
Rural power districts.....	807,266.74	
	<u>\$40,363,872.29</u>	
Less: Grants-in-aid of construction:		
Province of Ontario—for rural power districts.....	395,192.50	
		<u>\$39,968,679.79</u>

## CURRENT ASSETS:

Employees' working funds.....	\$ 4,495.00	
The Hydro-Electric Power Commission of Ontario—Current account.....	717,419.66	
Sundry accounts receivable.....	59,712.77	
Power accounts receivable.....	469,534.74	
Interest accrued.....	15,234.38	
Consumers' deposits—securities:		
Bonds at par value.....	\$737,500.00	
Stocks at market value.....	168,210.00	
	<u>905,710.00</u>	
Prepayments.....	43,508.95	
		<u>2,215,615.50</u>

## INVENTORIES:

Maintenance materials and supplies.....	\$ 117,745.67	
Maintenance tools and equipment.....	83,280.63	
		<u>201,026.30</u>

## DEFERRED ASSETS:

Work in progress—deferred work orders.....	7,205.84	
UNAMORTIZED DISCOUNT ON DEBENTURES.....	271,847.79	
RESERVE FUNDS INVESTMENTS.....	1,609,265.31	
		<u>\$44,273,640.53</u>

## PROPERTIES

### Commission of Ontario in Trust for the Province of Ontario

OCTOBER 31, 1942

### LIABILITIES AND RESERVES

#### LONG TERM LIABILITIES:

Funded debt in the hands of the public . . . . .	\$22,958,000.00	
Advances from the Province of Ontario for capital purposes . . .	5,906,960.22	
		<u>\$28,864,960.22</u>

#### CURRENT LIABILITIES:

Power accounts—credit balances . . . . .	\$ 2,159.62	
Consumers' deposits . . . . .	918,545.41	
Debenture interest accrued . . . . .	73,197.95	
Miscellaneous accruals . . . . .	11,945.19	
		<u>1,005,848.17</u>

#### RESERVES:

Renewals . . . . .	\$ 3,141,543.42	
Contingencies and obsolescence . . . . .	2,187,146.30	
Miscellaneous . . . . .	272,112.75	
		<u>5,600,802.47</u>

#### SINKING FUND RESERVES:

##### Represented by:

Funded debt retired through sinking funds . . . . .	\$ 5,875,000.00	
Provincial advances retired through sinking funds . . . . .	2,277,151.25	
Available balance . . . . .	334,037.74	
		<u>8,486,188.99</u>

SURPLUS . . . . .		315,840.68
		<u>\$44,273,640.53</u>

### Auditors' Certificate

We have examined the Accounts of the Northern Ontario Properties for the year ended the 31st October, 1942, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the affairs of Northern Ontario Properties at the 31st October, 1942, according to the best of our information and the explanations given to us and as shown by the books and records of the Properties. We have obtained all the information and explanations we have required.

OSCAR HUDSON & Co.,

Chartered Accountants,

Auditors

Dated at Toronto, Ontario,  
22nd April, 1943.



## NORTHERN ONTARIO

EMBRACING THE ABITIBI, SUDBURY,  
NORTHERN RURAL  
Held and Operated by The Hydro-Electric  
In Trust for the

## Operating Account for the

## COST OF OPERATION

Power purchased.....	\$29,479.31
Operating, maintenance and administrative expenses.....	1,159,878.20
Interest.....	1,498,903.79
Provision for renewals.....	338,292.43
Provision for contingencies and obsolescence.....	387,266.85
Provision for sinking fund.....	1,131,092.19
Total cost.....	<u>\$4,544,912.77</u>
Net income for year.....	611,334.41
	<u><u>\$5,156,247.18</u></u>

## PROPERTIES

## NIPISSING, PATRICIA DISTRICTS AND POWER DISTRICTS

## Power Commission of Ontario

Province of Ontario

**Year Ended October 31, 1942**

## REVENUE

Power sold to private companies and customers.....	\$5,156,247.18
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\$5,156,247.18

### Surplus Account—as at October 31, 1942

Balance at credit November 1, 1941.....		\$97,143.79
Net income for the year ended October 31, 1942.....		611,334.41
Transferred from reserves—net.....		7,362.48
Payment to Province of Ontario.....	\$400,000.00	
Balance at credit October 31, 1942.....	315,840.68	
	<u>\$715,840.68</u>	<u>\$715,840.68</u>

## NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario  
in Trust for the Province of Ontario

## Fixed Assets—October 31, 1942

Property	Net capital expenditures in the year		Fixed Assets			
			Under construction	In service		Total
				Non-depreciable	Depreciable	
	\$	c.	\$	c.	\$	c.
NIPISSING:						
Power Plants:						
South river:						
Nipissing .....	1,273.	65	14.	92	11,089.	60
Bingham Chute .....	4,850.	81	5,456.	46	12,130.	05
Elliot Chute .....	1,172.	46	1,516.	57	119,307.	09
Storage dams .....					76,122.	70
Miscellaneous .....	710.	50	710.	50	386.	14
Intangible .....					69,478.	34
	5,460.	12	7,698.	45	212,005.	08
					885,198.	17
						1,104,901.
Transformer Stations .....	7,360.	40			29,914.	97
Transmission Lines .....	5,070.	43	1,496.	27	211,260.	42
Local Systems .....	364.	47			34,336.	73
	18,255.	42	9,194.	72	214,224.	73
					1,160,710.	29
						1,384,129.
SUDBURY:						
Power Plants:						
Wanapitei river:						
Coniston .....	1,202.	89			13,597.	20
McVitties .....	771.	85			13,323.	00
Stinson .....	2,536.	41	65.	49	33,000.	00
Storage dam .....					25.	00
Intangible .....					830,514.	53
Sturgeon river:						
Crystal Falls and Storage dams ..	67,282.	53			44,481.	27
	67,844.	20	65.	49	934,941.	00
					2,907,474.	77
						3,842,481.
Transformer Stations .....	5,015.	66			172,271.	92
Transmission Lines .....	1,522.	51	1,609.	32	457,434.	44
	61,306.	03	1,674.	81	934,941.	00
					3,537,181.	13
						4,473,796.
ABITIBI:						
Power Plants:						
Abitibi river:						
Abitibi Canyon .....	31,641.	21			5,530,862.	63
Frederick House dam .....	50,012.	00			268,435.	95
Dasserat Lake diversion .....	17,246.	78	22,855.	08		
	64,406.	43	22,855.	08	5,799,298.	58
					14,618,867.	78
						20,441,021.
Transformer Stations .....	102,553.	70	5,685.	20	215,856.	69
Transmission Lines .....	6,471.	30	7,944.	38	829,467.	55
Local Systems .....	1,157.	62			88,239.	82
	45,776.	19	36,484.	66	6,844,622.	82
					22,399,088.	78
						29,280,196.



## NORTHERN ONTARIO PROPERTIES

Held and Operated by The Hydro-Electric Power Commission of Ontario  
in Trust for the Province of Ontario

Fixed Assets—October 31, 1942

Property	Net capital expendi- tures in the year	Fixed Assets			
		Under construc- tion	In service		Total
			Non- depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
PATRICIA:					
Power Plants:					
English river:					
Ear Falls.....	1,825.54			1,814,138.99	1,814,138.99
Albany river:					
Rat Rapids.....	8,245.86		39,297.44	554,807.60	594,105.04
	10,071.40		39,297.44	2,368,946.59	2,408,244.03
Transformer Stations.....	610.66			161,890.02	161,890.02
Transmission Lines.....	3,828.03			1,800,095.78	1,800,095.78
Local Systems.....	2,752.60			48,252.78	48,252.78
	4,101.43		39,297.44	4,379,185.17	4,418,482.61
NORTHERN ONTARIO PROPERTIES— RURAL POWER DISTRICTS:					
Transformer Stations.....	354.55			10,820.23	10,820.23
H-E.P.C. investments.....	7,139.54			401,254.01	401,254.01
Government grants.....	6,839.35			395,192.50	395,192.50
	13,624.34			807,266.74	807,266.74

## SUMMARY

Property	Net capital expendi- tures in the year	Fixed Assets			
		Under construc- tion	In service		Total
			Non- depreciable	Depreciable	
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Nipissing district.....	18,255.42	9,194.72	214,224.73	1,160,710.29	1,384,129.74
Sudbury district.....	61,306.03	1,674.81	934,941.00	3,537,181.13	4,473,796.94
Abitibi district.....	45,776.19	36,484.66	6,844,622.82	22,399,088.78	29,280,196.26
Patricia district.....	4,101.43		39,297.44	4,379,185.17	4,418,482.61
Rural power districts.....	13,624.34			807,266.74	807,266.74
	134,860.55	47,354.19	8,033,085.99	32,283,432.11	40,363,872.29
Less Grants in aid of construction:					
Province of Ontario for rural power districts.....	6,839.35			395,192.50	395,192.50
	128,021.20	47,354.19	8,033,085.99	31,888,239.61	39,968,679.79

## NORTHERN ONTARIO PROPERTIES

Embracing the Abitibi, Sudbury, Nipissing, Patricia and Rural Power Districts

Held and Operated by The Hydro-Electric Power Commission of Ontario  
in trust for the Province of Ontario

## Renewals Reserve—October 31, 1942

Balance at November 1, 1941.....		\$2,702,399.91
Provision in the year.....	\$338,292.43	
Interest at 4% on reserve balance.....	108,096.00	
Adjustments in the year.....	2,240.69	
		<u>448,629.12</u>
		\$3,151,029.03
Expenditures in the year.....		<u>9,485.61</u>
Balance at October 31, 1942.....		\$3,141,543.42

## Contingencies and Obsolescence Reserve—October 31, 1942

Balance at November 1, 1941.....		\$1,839,664.08
Provision in the year.....	\$387,266.85	
Interest at 4% on reserve balance.....	73,586.57	
Adjustment in the year.....	814.22	
		<u>461,667.64</u>
		\$2,301,331.72
Contingencies met with during the year.....		<u>114,185.42</u>
Balance at October 31, 1942.....		\$2,187,146.30

## Sinking Fund Reserve—October 31, 1942

Balance at November 1, 1941.....		\$7,072,208.46
Provision in the year.....	\$1,131,092.19	
Interest at 4% on reserve balance.....	282,888.34	
		<u>1,413,980.53</u>
Balance at October 31, 1942.....		<u>\$8,486,188.99</u>

**THE HAMILTON STREET RAILWAY COMPANY**

**(A Subsidiary of The Hydro-Electric Power Commission of Ontario—  
Niagara System)**

**FINANCIAL ACCOUNTS**

**For the Year ended October 31, 1942**

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**Balance Sheet as at October 31, 1942**

**Operating and Income Accounts for the Year ended October 31, 1942**



## THE HAMILTON STREET

(A Subsidiary of The Hydro-Electric Power

## BALANCE SHEET AS AT

## ASSETS

## FIXED ASSETS:

Properties, road and equipment, buses, franchise, etc. .... \$ 4,406,850.35

## CURRENT ASSETS:

The Hydro-Electric Power Commission of Ontario—Current account.....	\$ 115,587.86	
Conductors' and employees' advances. ....	18,600.00	
Accounts receivable.....	2,564.52	
Interest accrued.....	225.00	
Prepayments.....	5,977.52	
		142,954.90
MATERIALS AND SUPPLIES.....		54,358.42
INSURANCE RESERVE FUNDS—INVESTMENTS.....		104,637.62
		<u>\$ 4,708,801.29</u>

## RAILWAY COMPANY

Commission of Ontario—Niagara System)

OCTOBER 31, 1942

## LIABILITIES

## CAPITAL STOCK:

Authorized—80,000 shares at a par value of \$50.00 each.....	\$ 4,000,000.00
Issued —64,100 shares at a par value of \$50.00 each.....	\$ 3,205,000.00

## CURRENT LIABILITIES:

Rentals accrued.....	1,252.00
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## RESERVES:

Depreciation—road and equipment.....	\$ 1,318,234.27
Insurance.....	107,136.42
Miscellaneous.....	63,810.25
	1,489,180.94

SURPLUS.....	13,368.35
	<u>\$4,708,801.29</u>

## Auditors' Certificate

We have examined the Accounts of The Hamilton Street Railway Company for the year ended the 31st October, 1942, and report that, in our opinion, the above Balance Sheet is properly drawn up so as to exhibit a true and correct view of the state of the Company's affairs at the 31st October, 1942, according to the best of our information and the explanations given to us and as shown by the books of the Company. We have obtained all the information and explanations we have required.

OSCAR HUDSON &amp; Co.,

Chartered Accountants,

Auditors.

Dated at Toronto, Ontario,  
22nd April, 1943.

# THE HAMILTON STREET RAILWAY COMPANY

(A Subsidiary of The Hydro-Electric Power Commission of Ontario—Niagara System)

## Operating Statement for the Year Ended October 31, 1942

### REVENUES:

Transportation. . . . .	\$1,883,415. 73
Other operations. . . . .	14,918. 82
	<hr/>
	\$1,898,334. 55

### EXPENSES:

Maintenance of way and structures. . . . .	57,720. 29
Maintenance of equipment. . . . .	146,474. 17
Electric power and motor fuel. . . . .	177,571. 60
Transportation expenses. . . . .	405,446. 38
General and miscellaneous expenses. . . . .	134,766. 62
Taxes (municipal and franchise). . . . .	98,526. 06
Depreciation provision. . . . .	235,462. 26
Amortization instalment on Commission's investment. . . . .	150,000. 00
Interest on Commission's investment. . . . .	123,737. 66
	<hr/>
	\$1,529,705. 04

NET REVENUE FOR YEAR. . . . .	\$ 368,629. 51
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### Surplus Account—as at October 31, 1942

Balance at credit October 31, 1941. . . . .	\$ 24,326. 45	
Net revenue for year ended October 31, 1942. . . . .		368,629. 51
Adjustment of depreciation reserves. . . . .	\$ 401,373. 10	
Less—Distribution to Commission's amortization reserve. . . . .	250,000. 00	
	<hr/>	151,373. 10
Distribution:—Interest on capital met by the Commission—1933- 1936, with improvement. . . . .	\$ 530,960. 71	
Balance at credit, October 31, 1942. . . . .	13,368. 35	
	<hr/>	
	\$ 544,329. 06	\$ 544,329. 06



## SECTION X

### MUNICIPAL ACCOUNTS

and

#### Statistical Data Relating to Hydro-Electric Distribution Systems Operated by Individual Municipalities Served by The Hydro-Electric Power Commission of Ontario

The Municipal Accounts section of this report presents in summary, and individually, the results of the operation of the local electrical utilities in municipalities owning their own distributing systems and operating with energy supplied by or through The Hydro-Electric Power Commission.

Financial statements prepared from the books of these "Hydro" utilities are submitted herein to show how each has operated during the past year, and its financial status at the present time. Other tables give useful statistical information respecting average costs for the various classes of service and the rates in force.

The books of account of the electrical utilities in all municipalities which have contracted with The Hydro-Electric Power Commission of Ontario for a supply of power are kept in accordance with an accounting system designed by the Commission. During the year 1942 this standard method of accounting was installed in Grimsby.

Periodical inspections are made of the books of all "Hydro" electrical utilities and local officials are assisted in the improvement of their office routine with a view to standardizing, as far as possible, the methods employed. In the majority of the smaller municipalities much of the book-keeping for the electrical utilities is performed by representatives of the municipal accounting department of the Commission as a measure of economy. This arrangement insures the correct application of the standard accounting system, with resultant uniformity in classification of revenues and expenditures; secures true reflections of the actual operating results for the year, and greatly enhances the comparative values of the reports.

The first financial statement in this section presents consolidated balance sheets for each year since 1913, and thus shows the march of progress. It combines the balance sheets of the local municipal utilities of all the systems. It is worth noting that the total plant value has increased from \$10,081,469.16

in 1913 to \$102,086,459.14 in 1942, and the total assets from \$11,907,826.86 to \$185,546,238.94. The liabilities have not increased in the same proportion as the assets, rising from \$10,468,351.79 to a maximum of \$52,685,316.86 in 1932, and receding to \$21,496,462.59 in 1942. The reasons for this are the regular fulfilment of debt retirement schedules under serial debenture provisions or by maturity of sinking funds, and also the fact that much of the cost of the increasing plant value has been financed out of reserves and surplus without increasing the capital liabilities of the respective utilities. By this procedure the funds of the systems are used to best advantage. Examination of the results will also show that there is a steady decline in the percentage of net liabilities to total assets; being from 88.0 per cent in 1913 to 11.9 per cent in 1942. The equities in The Hydro-Electric Power Commission's systems automatically acquired through the inclusion of sinking funds as part of the cost of power are not taken into account in arriving at these percentages.

The second financial statement presents consolidated operating reports for each year since "Hydro" service was inaugurated and combines the results from the local municipal utilities of all the systems. After providing for every cost of operation and fixed charges, including the standard provision for depreciation, the combined operating reports show a net surplus of \$2,863,411.47 for 1942. (See also diagrams in Foreword to Report.)

The five statements, "A" to "E", following the two consolidated reports show the financial status of each municipal utility and the results of operations, giving classified information respecting revenue, operating costs, number of consumers and consumption, cost of power to municipalities, power and lighting rates charged to consumers, etc. In statements "A" and "B", the municipalities are arranged alphabetically under each system; in statement "D" the municipalities are arranged in three groups—cities, towns and small municipalities; in statements "C" and "E" all municipalities are arranged alphabetically. (Statement "C" suspended, see below.)

**Statement "A"** presents the balance sheet of each electrical utility. The plant values are shown under the general subdivisions specified in the standard accounting system and the other items on the positive side of the ledger which are included in total assets are self-explanatory.

In conformity with a policy of service at cost to the customer, refunds by cash or credit are made during the year in many municipalities from surplus funds accrued to the credit of municipal services, such as street lighting, water works, sewage disposal, etc. The total thus returned to customers during the year 1942 amounted in round figures to \$396,000.00.

In each case the balance sheet includes the credit or charge representing the difference between the monthly payments for power at interim rates and the cost of power as ascertained by the Commission upon annual adjustment.\*

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\*In 1939 and 1940 a number of municipalities asked permission to take power cost adjustments into the following year, to facilitate the earlier closing of their books. This led to a lack of uniformity in operating statements, and in 1941 it was decided to put all municipalities' accounts on the same basis. On this account, from 1941 on, the Balance Sheet shows the previous year's equity in Hydro Commission properties; and the Cost of Power in the Operating Statement from 1941 on, includes the previous year's adjustments.

The reserves for depreciation, and the acquired equity in The Hydro-Electric Power Commission's systems, are listed individually and totalled; and under the heading "surplus" are included not only the free operating surplus but the accumulation of sinking fund applicable to debenture debt and also the amount of debentures already retired out of revenue.

The depreciation reserve now amounts to 31.3 per cent of the total depreciable plant, while the depreciation reserve and surplus combined have already reached the sum of \$102,081,781.63, virtually 100 per cent of the total plant cost.

**Statement "B"** shows detailed operating reports for each municipal electrical utility. It gives annual revenues from the various classes of consumers; the items of expenditure which make up the total annual expenditure and the sums set aside for depreciation. The population served by each local utility and the number of consumers of each class are also shown.

The item "purchased power" in this statement includes the debit or credit balances ascertained by the annual adjustment of the cost of power supplied to the municipalities by the Commission.\*

Of the 297 municipal electrical utilities included in this statement, 273 received from consumers revenue sufficient to meet in full all operating expenses, interest, debt retirement instalments, and standard depreciation reserve allocation and to yield an aggregate net surplus of \$2,900,912.99 for the year; 19 were able to defray out of revenue all such charges except a portion of the standard depreciation allocation aggregating \$17,564.07, in the case of 5 utilities the revenue was less than the total operating expenses, interest and debt requirement instalments by \$19,937.45.

**Statement "C"**. Due to street lighting restrictions by the Power Controller in 1942, this statement has been omitted as it could not be used for comparative purposes.

**Statement "D"** presents statistics relating to the supply of electrical energy to consumers in Ontario municipalities served by the Commission. It shows the revenue, kilowatt-hour consumption, number of consumers, average monthly consumption, average monthly bill and the net average cost per kilowatt-hour both for domestic and for commercial light service in each municipality. For power service this statement shows the revenue, the number of consumers and the average horsepower supplied by the municipal utility.† For further reference to this informative statement, consult the special introduction to it on page 300.

**Statement "E"** presents the cost per horsepower of the power provided for and delivered to the municipalities by the Commission, and the local rates to consumers in force in the respective municipalities, during the year 1942, for domestic service, for commercial light service and for power service.

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\*See footnote on previous page.

†The statistics include retail power only. Wholesale industrial power as supplied by the Commission direct, is reported in Section IX.



## CONSOLIDATED

YEAR.....	1913	1914	1915
Number of municipalities included.....	45	69	99
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	626,707.34	791,732.20	873,838.18
Substation equipment.....	1,090,875.69	1,476,087.84	1,582,062.56
Distribution system—overhead.....	2,690,834.74	3,422,763.93	4,234,626.05
Distribution system—underground.....	644,514.24	807,153.53	928,420.77
Line transformers.....	615,546.20	787,613.52	981,754.70
Meters.....	840,606.64	1,172,475.11	1,418,165.08
Street lighting equipment—regular.....	900,614.80	1,071,255.37	1,309,628.49
Street lighting equipment—ornamental.....	62,765.34	270,386.55	197,644.82
Miscellaneous construction expenses.....	866,551.89	2,062,035.90	1,701,182.66
Steam or hydraulic plant.....	1,401,175.28	420,108.33	461,651.60
Old plant.....	341,277.00	619,513.12	1,184,372.86
Total plant.....	10,081,469.16	12,901,125.40	14,873,347.77
Bank and cash balance.....	450,887.97	422,350.12	284,653.96
Securities and investments.....			
Accounts receivable.....	344,487.95	561,873.08	602,920.69
Inventories.....	540,274.58	615,226.76	726,556.76
Sinking fund on local debentures.....	431,747.27	625,217.03	868,983.78
Equity in H-E.P.C. systems.....			
Other assets.....	58,959.93	123,410.97	326,801.11
Total assets.....	11,907,826.86	15,249,203.36	17,683,264.07
<b>LIABILITIES</b>			
Debenture balance.....	8,711,308.37	10,678,078.36	11,831,811.03
Accounts payable.....	1,553,711.45	1,682,150.29	2,040,038.01
Bank overdraft.....	160,919.16	228,622.50	292,106.44
Other liabilities.....	42,412.81	113,838.66	37,388.31
Total liabilities.....	10,468,351.79	12,702,689.81	14,201,343.79
<b>RESERVES</b>			
For equity in H-E.P.C. systems.....			
For depreciation.....	478,145.88	850,618.07	1,337,739.73
Other reserves.....			
Total reserves.....	478,145.88	850,618.07	1,337,739.73
<b>SURPLUS</b>			
Debentures paid.....	202,751.26	320,129.10	394,466.22
Local sinking fund.....	431,747.27	625,217.03	868,983.78
Operating surplus.....	326,830.66	750,549.35	880,730.55
Total surplus.....	961,329.19	1,695,895.48	2,144,180.55
Total liabilities, reserves and surplus.....	11,907,826.86	15,249,203.36	17,683,264.07
Percentage of net debt to total assets.....	88.0	88.3	80.3

NOTE—In computing the “percentage of net debt to total assets” the ornamental street lighting capital, sinking fund on local debentures, and equity in H-E.P.C. systems, are excluded

## BALANCE SHEET

1916	1917	1918	1919	1920	1921
128	143	166	191	195	215
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,335,936.33	1,546,241.41	1,859,888.69	1,995,545.83	2,175,568.24	3,230,985.63
1,934,626.12	2,471,293.82	2,820,488.70	2,915,125.56	3,231,050.80	5,403,689.90
4,832,353.27	6,090,073.42	6,627,237.39	7,445,820.31	8,579,881.49	8,397,361.48
1,095,709.62	1,157,059.90	1,216,288.59	1,206,296.88	1,313,369.29	1,401,135.97
1,179,132.07	1,483,839.44	1,772,691.35	2,073,113.45	2,560,581.59	3,077,649.83
1,711,299.49	1,999,095.48	2,238,143.70	2,587,566.32	3,053,135.20	3,552,076.79
1,251,057.13	1,237,734.69	1,200,625.65	1,206,638.71	1,269,006.98	1,335,997.13
306,388.95	361,975.74	531,502.61	546,497.68	557,678.13	610,586.70
2,059,263.42	2,184,015.84	2,395,096.50	2,530,101.08	2,697,636.12	3,030,134.16
864,500.01	896,753.20	214,575.75	986,200.57	757,194.47	704,848.46
759,748.66	649,852.51	1,476,413.00	805,959.89	864,298.39	912,388.55
17,330,015.07	20,077,935.45	22,352,951.93	24,298,866.28	27,059,400.70	31,656,854.60
1,061,029.90	340,026.50	391,194.91	462,437.23	943,858.12	900,842.34
695,152.23	1,285,097.33	1,124,018.44	627,076.53	341,855.88	477,678.69
764,504.59	1,261,398.36	972,996.96	1,921,166.69	2,022,538.88	2,155,788.62
1,166,017.73	1,337,578.96	1,663,298.05	1,032,569.75	1,400,671.89	1,504,596.28
342,215.87	125,240.05	444,787.63	1,925,455.77	2,244,004.34	2,541,718.35
			369,071.89	577,584.06	795,570.51
			86,216.05	25,447.07	78,929.84
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94	40,111,979.23
15,058,641.57	15,593,773.61	17,209,217.70	18,133,462.44	19,268,072.04	21,619,220.99
969,187.75	1,537,669.11	1,007,727.79	1,420,926.66	1,840,137.54	1,887,567.93
178,413.26	886,177.94	576,816.49	403,235.57	514,671.99	989,099.98
491,874.90	429,104.20	350,013.21	670,271.90	642,293.65	938,368.84
16,698,117.48	18,446,724.86	19,143,775.19	20,627,896.57	22,265,175.22	25,434,257.74
1,843,804.68	2,463,723.83	3,133,550.17	373,871.89	577,584.06	800,249.05
			3,750,162.28	4,788,645.03	5,491,858.93
1,843,804.68	2,463,723.83	3,133,550.17	4,124,034.17	5,366,229.09	6,292,107.98
549,778.59	694,797.90	920,076.56	1,328,657.68	1,440,156.52	1,860,079.53
1,165,785.94	1,340,615.38	1,662,602.69	1,754,020.37	2,246,474.47	2,541,718.35
1,101,448.70	1,481,414.68	2,089,243.31	2,888,251.40	3,297,325.64	3,983,815.63
2,817,013.23	3,516,827.96	4,671,922.56	5,970,929.45	6,983,956.63	8,385,613.51
21,358,935.39	24,427,276.65	26,949,247.92	30,722,860.19	34,615,360.94	40,111,979.23
78.4	75.5	71.0	67.9	65.4	64.7

from assets and the total liabilities are reduced by the amount of the local sinking fund reserve, and the liability in respect to the ornamental street lighting capital, which amount is included in other liabilities.

## CONSOLIDATED

YEAR.....	1922	1923	1924
Number of municipalities included.....	226	235	248
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	3,334,522.68	4,488,054.93	4,561,648.92
Substation equipment.....	5,046,857.98	6,015,919.75	6,800,238.00
Distribution system—overhead.....	11,165,330.24	13,135,581.76	14,182,190.33
Distribution system—underground.....	1,598,053.02	1,959,120.41	2,873,446.13
Line transformers.....	3,618,684.73	4,211,655.89	4,456,669.02
Meters.....	4,033,689.52	4,548,933.73	5,149,629.71
Street lighting equipment—regular.....	1,419,016.05	1,061,473.85	1,134,491.77
Street lighting equipment—ornamental.....	666,084.50	708,431.22	728,298.08
Miscellaneous construction expenses.....	3,261,495.74	3,681,274.88	4,168,262.21
Steam or hydraulic plant.....	565,158.54	566,619.86	4,196,803.45
Old plant.....	7,997,947.87	8,051,496.28	5,587,420.31
Total plant.....	42,706,840.87	48,428,562.56	53,839,097.93
Bank and cash balance.....	1,164,336.24	1,276,140.06	1,748,912.34
Securities and investments.....	443,938.18	1,153,424.47	1,329,622.58
Accounts receivable.....	3,874,317.14	3,198,769.34	3,898,751.89
Inventories.....	1,738,795.96	1,819,711.62	1,745,628.16
Sinking fund on local debentures.....	3,416,231.45	3,896,261.28	4,520,723.06
Equity in H-E.P.C. systems.....	1,543,434.12	2,929,603.94	5,420,567.58
Other assets.....	238,940.13	190,071.63	250,292.77
Total assets.....	55,126,834.09	62,892,544.90	72,753,596.31
<b>LIABILITIES</b>			
Debenture balance.....	30,454,186.12	33,056,501.29	38,005,162.50
Accounts payable.....	3,699,292.52	3,708,781.76	3,117,224.08
Bank overdraft.....	456,706.69	680,714.59	162,100.71
Other liabilities.....	586,203.02	1,517,828.47	1,780,564.27
Total liabilities.....	35,196,388.35	38,963,826.11	43,065,051.56
<b>RESERVES</b>			
For equity in H-E.P.C. systems.....	1,543,434.12	2,929,603.94	5,420,567.58
For depreciation.....	6,512,813.92	7,328,858.69	8,097,834.68
Other reserves.....			
Total reserves.....	8,056,248.04	10,258,462.63	13,518,402.26
<b>SURPLUS</b>			
Debentures paid.....	3,104,591.15	2,852,038.38	3,530,610.35
Local sinking fund.....	3,416,231.45	3,896,261.28	4,520,723.06
Operating surplus.....	5,353,375.10	6,921,956.50	8,118,809.08
Total surplus.....	11,874,197.70	13,670,256.16	16,170,142.49
Total liabilities, reserves and surplus.....	55,126,834.09	62,892,544.90	72,753,596.31
Percentage of net debt to total assets.....	63.3	62.6	61.4



## BALANCE SHEET—Continued

1925	1926	1927	1928	1929	1930
247	251	252	256	260	267
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,768,855.99	6,111,162.54	6,486,426.89	7,024,646.76	7,469,451.46	7,936,974.31
8,543,166.55	9,505,501.77	15,088,905.14	16,866,186.21	18,102,792.13	19,485,056.28
16,837,535.57	18,654,240.54	16,689,462.41	17,688,050.68	18,108,016.82	19,220,326.48
3,388,837.09	3,689,569.95	3,278,382.58	3,559,288.16	4,823,369.60	4,932,189.05
5,079,754.23	5,538,605.24	5,985,521.37	6,549,674.64	7,312,742.17	7,953,090.23
5,533,483.92	5,963,162.51	6,346,660.59	6,839,802.90	7,405,478.91	7,840,948.07
1,256,916.53	1,309,608.30	1,399,314.06	1,486,646.24	1,594,183.25	1,780,785.67
893,186.48	1,103,660.23	1,184,035.82	1,203,706.65	1,458,349.64	1,520,891.01
4,485,110.96	3,456,777.71	3,360,671.09	3,394,626.92	3,483,487.78	3,996,747.77
568,912.49	628,909.57	607,320.00	619,880.93	489,097.67	139,587.28
4,549,142.46	4,655,422.59	5,095,555.90	5,032,089.26	5,093,378.75	5,322,690.14
56,904,902.27	60,616,620.95	65,522,255.85	70,264,599.35	75,340,348.08	80,129,286.29
1,700,145.30	2,136,290.79	3,014,832.48	1,342,367.07	858,733.68	2,722,250.12
1,095,662.92	1,400,316.43	1,696,237.66	1,837,140.51	2,001,088.81	1,909,439.11
3,417,558.86	3,508,817.87	3,715,770.72	4,097,446.13	4,683,201.97	4,481,006.92
1,711,504.13	1,397,667.83	1,412,729.41	1,220,186.10	1,365,033.58	1,242,994.51
5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,753,613.88	8,396,255.47
7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40	17,346,372.44
137,280.05	33,151.81	31,942.45	153,275.04	152,260.86	173,030.05
77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26	116,400,634.91
37,919,225.01	39,602,533.48	42,891,361.57	42,597,175.78	42,930,127.74	45,091,808.06
3,139,067.92	3,118,684.78	2,988,621.90	3,074,634.25	3,132,145.03	3,001,186.21
226,147.82	163,725.53	252,362.52	253,143.81	412,056.69	405,663.14
1,075,914.83	1,087,795.08	1,154,810.24	1,258,610.23	1,621,378.17	1,642,771.59
42,360,355.58	43,972,738.87	47,287,156.23	47,183,564.07	48,095,707.63	50,141,429.00
7,551,588.70	8,046,868.53	10,143,205.66	12,326,097.56	14,754,865.40	17,346,372.44
8,699,437.68	9,360,322.27	10,319,889.05	11,140,795.68	11,911,154.49	12,885,387.51
1,157,147.20	947,970.23	1,002,916.69	1,117,257.63	1,437,371.26	1,574,655.74
17,408,173.58	18,355,161.03	21,466,011.40	24,584,150.87	28,103,391.15	31,806,415.69
4,440,138.34	5,493,879.83	6,648,767.38	7,928,907.61	9,194,253.59	10,728,279.15
5,202,451.70	5,599,675.01	6,398,909.77	7,071,273.69	7,962,121.20	8,396,255.47
8,309,974.73	9,317,954.48	10,135,039.22	11,544,489.21	13,553,672.69	15,328,255.60
17,952,564.77	20,411,509.32	23,182,716.37	26,544,670.51	30,710,047.48	34,452,790.22
77,721,093.93	82,739,409.22	91,935,884.00	98,312,385.45	106,909,146.26	116,400,634.91
57.2	55.5	54.2	50.8	47.8	46.0

## CONSOLIDATED

YEAR.....	1931	1932	1933
Number of municipalities included.....	275	280	282
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	8,407,664.48	9,503,743.78	10,186,471.28
Substation equipment.....	21,013,956.74	22,288,781.68	22,306,800.94
Distribution system—overhead.....	19,918,355.76	20,866,767.32	21,152,681.20
Distribution system—underground.....	5,361,627.24	5,820,056.75	5,945,225.61
Line transformers.....	8,649,875.07	9,392,662.62	9,478,605.14
Meters.....	8,106,202.88	8,403,251.67	8,514,165.03
Street lighting equipment—regular.....	2,205,613.18	2,257,618.20	2,381,599.40
Street lighting equipment—ornamental.....	1,456,742.91	1,545,354.93	1,458,443.68
Miscellaneous construction expenses.....	3,827,132.05	4,120,926.11	4,040,859.74
Steam or hydraulic plant.....	458,374.05	498,231.69	502,978.62
Old plant.....	7,146,437.96	4,989,654.97	5,016,755.92
Other plants not distributed.....		200,000.00	200,000.00
Total plant.....	86,551,982.32	89,887,049.72	91,184,586.56
Bank and cash balance.....	2,738,319.67	3,185,442.00	1,696,489.24
Securities and investments.....	1,999,846.42	2,059,325.10	2,163,785.20
Accounts receivable.....	3,957,972.78	3,683,059.42	3,746,910.92
Inventories.....	1,276,531.01	1,232,209.52	1,226,043.30
Sinking fund on local debentures.....	8,735,050.84	9,099,210.61	9,386,176.58
Equity in H-E.P.C. systems.....	20,103,275.76	23,066,129.81	26,045,679.00
Other assets.....	174,879.28	163,637.79	253,581.84
Total assets.....	125,537,858.08	132,376,063.97	135,703,252.64
<b>LIABILITIES</b>			
Debenture balance.....	44,594,400.03	45,133,305.97	42,606,145.29
Accounts payable.....	5,382,306.13	3,512,724.58	3,320,485.45
Bank overdraft.....	312,575.54	298,910.20	206,398.00
Other liabilities.....	1,909,986.13	3,740,376.11	3,787,725.14
Total liabilities.....	52,199,267.83	52,685,316.86	49,920,753.88
<b>RESERVES</b>			
For equity in H-E.P.C. systems.....	20,103,275.76	23,066,129.81	26,045,679.00
For depreciation.....	13,748,049.68	14,902,177.02	16,075,959.28
Other reserves.....	1,693,129.83	1,902,308.64	2,048,081.84
Total reserves.....	35,544,455.27	39,870,615.47	44,169,720.12
<b>SURPLUS</b>			
Debentures paid.....	13,150,040.37	15,244,778.28	17,651,367.71
Local sinking fund.....	8,735,050.84	9,099,210.61	9,386,176.58
Operating surplus.....	15,909,043.77	15,476,142.75	14,575,234.35
Total surplus.....	37,794,134.98	39,820,131.64	41,612,778.64
Total liabilities, reserves and surplus...	125,537,858.08	132,376,063.97	135,703,252.64
Percentage of net debt to total assets...	44.1	43.4	40.4

BALANCE SHEET—Continued

1934	1935	1936	1937	1938	1939
282	284	283	287	288	293
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
10,262,692.98	10,381,191.41	10,528,595.34	10,785,473.59	10,894,019.12	11,030,623.50
22,327,618.75	22,072,115.14	22,162,208.03	22,900,269.21	23,614,597.80	23,780,655.18
21,353,725.80	21,650,567.75	22,163,701.17	22,699,652.43	23,371,092.61	23,925,362.60
6,031,767.74	6,068,724.47	6,070,337.02	6,100,282.76	6,134,283.64	6,202,371.87
9,635,279.35	9,678,578.13	9,845,939.94	10,128,591.29	10,494,789.40	10,855,346.75
8,624,504.78	8,767,892.27	9,043,615.65	9,234,773.90	9,539,413.66	9,838,600.98
2,395,296.48	2,420,238.81	2,527,188.03	2,610,137.97	2,697,047.84	2,798,171.62
1,464,306.73	1,486,302.46	1,504,596.77	1,508,564.76	1,516,059.81	1,518,035.24
3,907,359.92	3,616,986.74	4,019,430.59	4,389,592.08	4,444,880.40	4,147,280.84
494,932.96	496,050.14	496,186.33	496,186.33	497,974.74	498,650.81
4,978,079.44	4,917,917.43	4,876,405.43	4,878,609.01	4,897,097.67	4,894,655.59
200,000.00	200,000.00	200,000.00			
91,675,564.93	91,756,564.75	93,438,204.30	95,732,133.33	98,101,256.69	99,489,754.98
2,215,914.31	2,927,485.90	3,921,121.28	3,080,864.13	3,043,609.87	3,107,087.65
2,382,446.41	2,593,633.59	2,924,913.30	4,469,369.04	4,832,322.57	4,850,531.80
4,001,596.09	4,363,297.95	4,560,713.55	4,240,741.41	4,106,655.16	4,774,816.58
1,110,705.38	1,212,063.37	1,261,843.81	1,336,527.60	1,393,158.18	1,496,275.62
9,161,419.77	9,086,152.46	9,535,712.83	10,003,873.93	10,397,958.20	11,032,594.44
29,274,340.46	32,609,979.83	36,193,874.21	40,032,438.34	44,254,118.64	48,615,296.94
289,158.19	301,317.86	203,167.35	186,252.23	178,534.60	156,520.39
140,111,145.54	144,850,495.71	152,039,550.63	159,082,200.01	166,307,613.91	173,522,878.40
39,646,989.68	36,667,080.62	34,485,507.43	32,447,411.68	29,987,512.34	27,962,685.51
3,149,035.07	2,931,934.14	2,879,497.45	2,912,960.24	3,334,802.82	3,100,565.26
143,556.95	72,084.93	25,559.95	34,787.51	108,753.61	180,064.81
3,669,008.56	3,462,906.61	3,267,141.59	3,216,028.08	3,120,619.84	2,998,174.20
46,608,590.26	43,134,006.30	40,657,706.42	38,611,187.51	36,551,688.61	34,241,489.78
29,274,340.46	32,609,979.83	36,193,874.21	40,032,438.34	44,254,118.64	48,615,296.94
17,426,809.32	18,410,891.84	19,666,170.18	21,034,164.68	22,583,476.69	24,046,526.92
2,056,820.81	2,459,074.98	2,763,100.40	2,802,650.84	2,814,785.08	3,090,471.34
48,757,970.59	53,479,946.65	58,623,144.79	63,869,253.86	69,652,380.41	75,752,295.20
20,608,129.73	23,481,974.13	26,084,294.84	28,468,539.78	30,890,189.93	32,866,660.82
9,161,419.77	9,086,152.46	9,535,712.83	10,003,873.93	10,397,958.20	11,032,594.44
14,975,035.19	15,668,416.17	17,138,691.75	18,129,344.93	18,815,396.76	19,629,838.16
44,744,584.69	48,236,542.76	52,758,699.42	56,601,758.64	60,103,544.89	63,529,093.42
140,111,145.54	144,850,495.71	152,039,550.63	159,082,200.01	166,307,613.91	173,522,878.40
35.9	32.0	28.3	25.2	22.4	19.3



## CONSOLIDATED BALANCE SHEET—Concluded

YEAR . . . . .	1940	1941	1942
Number of municipalities included . . . . .	295	296	297
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings . . . . .	11,218,258.69	11,488,173.96	11,546,286.55
Substation equipment . . . . .	24,282,151.78	24,896,262.26	25,359,352.47
Distribution system—overhead . . . . .	24,653,458.44	25,228,363.52	25,572,132.86
Distribution system—underground . . . . .	6,214,957.69	6,391,399.25	6,446,133.75
Line transformers . . . . .	11,030,643.29	11,817,440.89	12,209,624.79
Meters . . . . .	9,927,971.40	10,644,655.81	10,938,305.73
Street lighting equipment—regular . . . . .	2,879,996.65	2,940,055.38	2,928,896.30
Street lighting equipment—ornamental . . . . .	1,534,320.08	1,540,369.82	1,543,717.00
Miscellaneous construction expenses . . . . .	4,341,259.94	4,366,893.41	4,091,006.92
Steam or hydraulic plant . . . . .	498,575.87	445,118.58	422,172.72
Old plant . . . . .	1,332,606.12	1,329,860.41	1,028,830.05
Total plant . . . . .	97,914,199.95	101,088,593.29	102,086,459.14
Bank and cash balance . . . . .	4,462,197.18	2,991,173.27	2,482,945.50
Securities and investments . . . . .	5,315,855.49	8,368,139.57	12,592,455.09
Accounts receivable . . . . .	4,715,848.86	4,116,252.29	3,614,066.68
Inventories . . . . .	1,630,987.28	1,984,025.53	2,047,430.38
Sinking fund on local debentures . . . . .	5,829,573.87	5,530,647.79	5,445,199.46
Equity in H-E.P.C. systems . . . . .	52,457,676.76	52,458,225.18	57,080,491.77
Other assets . . . . .	258,395.70	226,034.26	197,190.92
Total assets . . . . .	172,584,735.09	176,763,091.18	185,546,238.94
<b>LIABILITIES</b>			
Debenture balance . . . . .	20,636,363.20	17,805,415.36	16,184,642.53
Accounts payable . . . . .	3,095,613.25	3,088,145.27	2,399,404.91
Bank overdraft . . . . .	187,038.91	302,744.63	105,571.05
Other liabilities . . . . .	3,004,624.22	2,987,132.70	2,806,844.10
Total liabilities . . . . .	26,923,638.58	24,183,437.96	21,496,462.59
<b>RESERVES</b>			
For equity in H-E.P.C. systems . . . . .	52,457,676.76	52,458,225.18	57,080,491.77
For depreciation . . . . .	25,733,628.33	27,795,985.72	29,840,207.73
Other reserves . . . . .	3,326,591.65	3,592,384.90	4,907,609.88
Total reserves . . . . .	81,517,896.74	83,846,595.80	91,828,309.38
<b>SURPLUS</b>			
Debentures paid . . . . .	37,245,922.84	39,943,340.75	41,183,741.27
Local sinking fund . . . . .	5,829,573.87	5,530,647.79	5,445,199.46
Operating surplus . . . . .	21,067,703.06	23,259,068.88	25,592,526.24
Total surplus . . . . .	64,143,199.77	68,733,057.42	72,221,466.97
Total liabilities, reserves and surplus . . . . .	172,584,735.09	176,763,091.18	185,546,238.94
Percentage of net debt to total assets . . . . .	17.4	14.6	11.9

## CONSOLIDATED OPERATING REPORT

YEAR.....	1912	1913	1914	1915
Number of municipalities included	28	45	69	99
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....		572,154.38	789,130.81	944,271.08
Commercial light service.....		525,438.16	673,803.92	720,209.26
Commercial power service.....		905,378.17	1,214,829.31	1,501,797.78
Municipal power.....				
Street lighting.....		560,925.56	698,409.71	835,970.87
Rural service.....				
Miscellaneous.....		53,543.24	57,482.41	68,046.29
Total earnings.....	1,617,674.00	2,617,439.51	3,433,656.16	4,070,295.28
<b>EXPENSES</b>				
Power purchased.....		789,632.87	1,045,752.65	1,484,666.00
Substation operation.....		78,394.81	97,658.90	107,607.31
Substation maintenance.....		18,698.46	31,790.99	25,935.56
Distribution system, operation and maintenance.....		104,114.51	130,998.65	154,409.71
Line transformer maintenance.....		8,547.61	11,764.32	11,508.92
Meter maintenance.....		5,222.19	9,536.07	12,899.14
Consumers' premises expenses.....		53,108.38	65,192.23	47,494.26
Street lighting, operation and maintenance.....		84,903.76	113,047.80	136,983.38
Promotion of business.....		72,303.51	86,683.02	74,402.55
Billing and collecting.....		77,351.76	103,560.71	131,541.27
General office, salaries and expenses.....		154,932.69	230,899.75	236,777.86
Undistributed expense.....		65,423.64	89,350.91	129,209.15
Interest.....		528,549.21	662,092.34	817,978.89
Sinking fund and principal payments on debentures.....		*	*	*
Total expenses.....	1,377,168.00	2,041,183.40	2,678,328.34	3,371,414.00
Surplus.....	240,506.00	576,256.11	755,327.82	698,881.28
Depreciation and other reserves.....	124,992.47	262,675.24	357,883.31	414,506.99
Surplus less depreciation.....	115,513.53	313,580.87	397,444.51	284,374.29

\*Debenture payments included in "Interest."

## CONSOLIDATED

YEAR.....	1916	1917	1918
Number of municipalities included . . . .	128	143	166
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	1,172,878.96	1,417,460.31	1,632,272.12
Commercial light service.....	812,130.78	899,023.72	968,399.42
Commercial power service.....	1,921,152.31	2,665,280.65	3,417,248.37
Municipal power.....			
Street lighting.....	930,057.48	967,495.10	902,875.55
Rural service.....			
Miscellaneous.....	147,381.50	120,805.39	161,243.70
Total earnings.....	4,983,601.03	6,070,065.17	7,082,039.16
<b>EXPENSES</b>			
Power purchased.....	1,959,446.83	2,573,879.37	2,807,769.33
Substation operation.....	153,761.08	203,091.20	238,257.34
Substation maintenance.....	46,131.53	42,129.04	60,805.92
Distribution system, operation and maintenance.....	154,247.17	169,326.24	223,347.81
Line transformer maintenance.....	14,528.17	25,328.95	30,488.83
Meter maintenance.....	24,218.48	44,461.55	63,155.56
Consumers' premises expenses.....	52,602.01	61,765.14	65,149.59
Street lighting, operation and maintenance.....	145,471.50	157,857.73	196,157.18
Promotion of business.....	79,324.85	73,516.37	64,962.78
Billing and collecting.....	154,508.58	188,083.84	208,660.76
General office, salaries and expenses.....	306,709.35	349,932.05	421,680.15
Undistributed expense.....	97,333.97	102,938.80	117,474.07
Interest.....	951,781.99	1,085,180.80	1,238,425.53
Sinking fund and principal payments on debentures.....	*	*	*
Total expenses.....	4,140,065.51	5,077,491.08	5,736,334.85
Surplus.....	843,535.52	992,574.09	1,345,704.31
Depreciation and other reserves.....	486,141.80	607,296.29	718,162.30
Surplus less depreciation.....	357,393.72	385,277.80	627,542.01

\*Debenture payments included in "Interest."



OPERATING REPORT—Continued

1919	1920	1921	1922	1923	1924
181	186	205	214	224	241
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1,991,632.31	2,546,345.30	3,149,080.03	3,786,608.23	5,166,452.24	5,993,231.07
1,175,143.56	1,512,854.63	1,851,501.76	2,158,306.34	3,260,772.50	3,566,227.22
3,443,107.13	3,752,188.22	3,895,437.46	4,383,912.97	5,927,666.37	6,222,865.88
.....	532,279.09	654,531.01	973,263.38	1,161,598.60	1,352,966.47
988,900.95	1,005,535.11	1,060,357.77	1,160,446.81	1,269,604.48	1,356,668.97
.....	168,919.95	145,566.57	105,877.09	116,639.06	75,100.24
228,270.65	189,778.63	225,467.70	187,689.39	316,311.21	231,663.58
7,827,054.60	9,707,900.93	10,981,942.30	12,756,104.21	17,219,044.46	18,798,723.43
3,284,490.68	4,216,667.87	4,876,650.31	6,636,853.37	8,699,026.67	9,669,789.40
217,638.89	285,407.35	314,838.35	315,443.70	474,442.13	430,056.09
81,853.63	102,050.81	104,798.01	100,763.67	133,815.53	202,050.04
286,310.76	344,551.57	487,918.33	519,252.16	636,477.41	648,700.62
42,509.12	46,323.09	65,088.46	52,932.26	75,920.10	82,936.50
78,726.64	123,701.18	116,722.97	107,806.88	139,104.81	141,231.23
84,301.24	116,283.52	134,854.92	143,388.88	218,682.02	237,316.20
215,963.86	236,930.79	297,481.52	297,363.86	299,579.08	269,973.30
74,789.22	78,294.85	101,804.46	129,932.63	184,371.00	202,060.74
236,504.75	295,942.88	321,685.71	338,153.50	444,306.92	490,273.30
452,131.22	559,695.29	656,268.11	605,852.50	937,463.47	889,907.66
190,690.09	256,400.33	308,874.42	385,895.03	359,206.91	494,078.50
1,285,571.51	1,431,807.16	998,611.47	1,074,657.44	1,615,205.16	1,779,991.26
*	*	532,183.96	635,469.90	990,907.14	1,122,798.87
6,531,481.61	8,094,056.69	9,317,781.00	11,343,765.78	15,208,508.35	16,661,163.71
1,295,572.99	1,613,844.24	1,664,161.30	1,412,338.43	2,010,536.11	2,137,559.72
814,219.37	902,028.75	1,044,434.85	715,814.24	916,782.75	973,649.62
481,353.62	711,815.49	619,726.45	696,524.19	1,093,753.36	1,163,910.10

## CONSOLIDATED

YEAR.....	1925	1926	1927
Number of municipalities included.....	242	248	251
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	6,439,159.86	7,372,602.62	8,189,866.89
Commercial light service.....	3,866,292.79	4,187,899.19	4,626,815.51
Commercial power service.....	6,568,854.77	6,789,217.54	7,342,173.20
Municipal power.....	1,923,093.09	1,922,512.34	1,913,502.88
Street lighting.....	1,415,382.22	1,457,686.21	1,489,242.37
Rural service.....	37,975.18	37,810.73	13,765.72
Miscellaneous.....	286,451.08	471,134.15	581,913.04
Total earnings.....	20,537,208.99	22,238,862.78	24,157,279.61
<b>EXPENSES</b>			
Power purchased.....	11,063,123.34	12,185,669.10	13,505,583.77
Substation operation.....	417,921.71	450,416.84	430,211.76
Substation maintenance.....	207,497.63	286,520.37	275,148.86
Distribution system, operation and maintenance.....	686,344.54	795,514.70	758,747.10
Line transformer maintenance.....	75,473.28	74,876.11	94,706.38
Meter maintenance.....	156,909.55	189,603.70	214,813.87
Consumers' premises expenses.....	252,808.47	275,020.62	285,352.68
Street lighting, operation and maintenance.....	275,316.60	295,869.37	318,395.79
Promotion of business.....	217,102.24	234,696.74	220,687.60
Billing and collecting.....	521,134.01	557,271.54	605,627.58
General office, salaries and expenses....	891,640.29	786,742.60	824,868.90
Undistributed expense.....	520,584.58	460,288.30	531,003.80
Truck operation and maintenance.....			
Interest.....	1,889,810.95	1,985,233.73	2,063,698.00
Sinking fund and principal payments on debentures.....	1,294,027.29	1,347,511.92	1,505,626.31
Total expenses.....	18,469,694.48	19,925,235.64	21,634,472.40
Surplus.....	2,067,514.51	2,313,627.14	2,522,807.21
Depreciation and other reserves.....	1,068,880.42	1,146,273.05	1,249,711.65
Surplus less depreciation.....	998,634.09	1,167,354.09	1,273,095.56

## OPERATING REPORT—Continued

1928	1929	1930	1931	1932	1933
255	259	267	275	280	282
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,925,050.56	9,873,681.57	10,542,903.89	10,972,952.10	11,447,307.85	11,429,101.13
5,182,723.32	5,697,766.06	5,961,383.23	6,230,475.89	6,243,794.01	6,013,025.96
8,298,669.44	9,376,158.74	9,340,653.28	9,456,224.97	9,356,693.88	9,080,522.07
1,921,300.97	2,086,444.24	2,111,482.38	1,967,118.54	1,859,585.35	1,826,872.07
1,534,476.98	1,598,262.43	1,674,528.03	1,746,855.24	1,783,972.46	1,779,582.48
*48,451.90	*51,590.54	*28,954.60	*29,446.38	*11,069.27	*12,812.74
465,791.92	522,780.95	581,914.78	511,139.80	513,787.30	485,925.43
26,376,465.09	29,206,684.53	30,241,820.19	30,914,212.92	31,216,210.12	30,627,841.88
14,688,570.08	16,379,162.88	17,323,077.97	18,085,166.51	19,109,036.25	19,330,861.58
420,512.48	461,270.27	479,502.48	487,484.17	503,351.82	484,764.57
247,647.88	274,275.56	320,716.48	303,536.11	300,186.15	288,583.29
736,159.85	907,817.04	991,972.86	1,015,256.14	969,750.51	895,350.99
88,676.18	93,608.14	96,746.35	93,463.24	95,485.55	82,321.32
218,530.96	242,126.27	278,379.43	284,633.88	300,104.85	283,115.98
291,333.03	314,495.03	317,902.45	363,078.47	368,208.73	361,499.20
329,597.16	359,373.40	372,211.07	368,119.49	360,709.76	353,082.15
249,842.01	250,844.28	249,070.05	255,956.03	266,760.84	259,936.42
638,797.02	695,729.42	745,159.02	792,983.99	818,721.33	817,660.03
844,578.55	904,025.64	907,226.89	923,676.84	960,558.88	908,517.79
542,755.34	502,206.06	523,862.96	520,893.10	436,692.96	349,101.36
.....	110,630.62	112,029.82	107,918.93	112,059.90	105,452.68
2,111,049.49	2,152,695.49	2,220,214.45	2,328,094.32	2,532,940.93	2,426,286.35
1,601,711.32	1,687,201.64	1,828,061.62	2,061,718.79	2,244,367.86	2,319,319.09
23,009,761.35	25,335,461.74	26,766,134.00	27,991,980.01	29,378,936.42	29,265,852.80
3,366,703.74	3,871,222.79	3,475,686.19	2,922,232.91	1,837,273.70	1,361,989.08
1,350,252.16	1,469,846.83	1,574,991.68	1,775,330.69	1,920,896.22	1,989,000.41
2,016,451.58	2,401,375.96	1,900,694.51	1,146,902.22	83,622.52 (loss)	627,011.33 (loss)

\*Profits from the sale of merchandise. Rural service now given in Rural Power Districts.



## CONSOLIDATED

YEAR.....	1934	1935	1936
Number of municipalities included.....	282	284	283
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	11,844,033.10	12,145,219.89	12,682,140.18
Commercial light service.....	6,206,086.35	6,458,748.57	6,815,439.16
Commercial power service.....	9,692,784.37	10,211,968.71	10,694,192.44
Municipal power.....	1,875,969.80	1,821,285.82	1,817,986.94
Street lighting.....	1,777,596.69	1,788,760.38	1,799,420.87
Merchandise.....	18,747.73	21,669.98	23,158.76
Miscellaneous.....	555,172.04	562,285.82	575,825.49
Total earnings.....	31,970,390.08	33,009,939.17	34,408,163.84
<b>EXPENSES</b>			
Power purchased.....	19,591,887.79	20,053,676.40	20,486,582.65
Substation operation.....	468,944.09	478,813.83	478,855.71
Substation maintenance.....	296,550.52	297,127.27	301,897.24
Distribution system, operation and maintenance.....	844,813.95	830,633.88	855,576.02
Line transformer maintenance.....	75,172.18	70,749.63	72,711.67
Meter maintenance.....	291,402.79	313,234.11	328,410.90
Consumers' premises expenses.....	352,499.09	340,761.52	306,644.80
Street lighting, operation and maintenance.....	338,784.80	340,120.36	356,932.01
Promotion of business.....	228,741.36	252,648.33	288,338.93
Billing and collecting.....	827,860.20	835,375.90	945,892.70
General office, salaries and expenses.....	908,039.75	943,880.18	967,269.06
Undistributed expense.....	362,322.12	360,676.96	448,332.98
Truck operation and maintenance.....	98,081.61	95,150.54	69,805.06
Interest.....	2,204,994.25	2,040,130.35	1,893,304.28
Sinking fund and principal payments on debentures.....	2,358,169.12	2,423,088.34	2,448,223.80
Total expenses.....	29,248,263.62	29,686,067.60	30,248,777.81
Surplus.....	2,722,126.46	3,323,871.57	4,159,386.03
Depreciation and other reserves.....	2,036,637.33	2,076,322.24	2,230,021.86
Surplus less depreciation.....	685,489.13	1,247,549.33	1,929,364.17

## OPERATING REPORT—Concluded

1937	1938	1939	1940	1941	1942
287	288	293	295	296	297
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
12,448,345.63	12,607,601.30	13,038,748.37	13,705,710.79	14,287,828.19	14,874,937.14
6,510,685.15	6,727,374.48	7,077,144.74	7,642,679.90	7,885,693.81	7,604,860.27
11,063,764.43	10,527,631.36	10,957,719.66	12,458,439.08	14,591,053.03	15,433,320.91
1,731,311.34	1,677,069.34	1,760,977.25	1,741,235.23	1,832,379.38	2,026,826.92
1,781,363.37	1,813,555.27	1,831,090.33	1,842,443.63	1,880,560.01	1,820,216.28
22,971.02	26,588.18	28,874.86	56,818.83	58,695.51	50,276.58
607,035.54	602,012.80	595,235.49	577,959.98	526,771.53	680,825.29
34,165,476.48	33,981,832.73	35,289,790.70	38,025,287.44	41,062,981.46	42,491,263.39
20,532,736.85	20,575,457.95	21,855,595.20	23,756,863.14	26,017,260.84	26,459,900.78
490,737.94	493,651.06	516,987.25	544,234.10	552,820.54	581,259.02
300,389.49	351,013.94	377,013.25	322,375.73	316,677.27	361,643.95
889,990.11	921,064.94	943,859.59	930,055.53	993,886.44	1,087,818.81
81,365.18	94,040.92	95,577.72	101,617.16	114,304.18	133,888.95
343,658.47	384,357.58	386,145.71	372,562.74	409,252.72	440,877.18
420,366.36	483,012.96	488,980.55	568,135.41	604,642.97	513,565.10
364,325.53	373,065.44	384,071.55	366,911.70	379,905.55	397,614.93
294,574.21	309,626.97	317,467.64	293,022.17	262,910.03	193,692.33
980,540.10	987,040.66	1,008,065.66	1,020,648.93	1,074,173.90	1,171,345.63
940,890.76	931,120.05	966,550.98	960,065.70	1,053,367.83	1,067,535.39
476,370.44	430,609.32	463,456.65	555,414.26	480,317.80	553,599.71
77,995.38	84,111.05	80,263.46	79,848.64	93,032.89	99,379.20
1,752,287.58	1,642,663.25	1,594,040.32	1,464,381.29	1,027,985.34	973,383.83
2,429,565.06	2,424,098.70	2,420,441.30	2,389,723.60	2,248,937.42	2,006,148.29
30,375,793.46	30,484,934.79	31,898,516.83	33,725,860.10	35,629,475.72	36,041,653.10
3,789,683.02	3,496,897.94	3,391,273.87	4,299,427.34	5,433,505.74	6,449,610.29
2,329,625.64	2,451,529.46	2,524,364.33	2,644,127.10	2,933,730.99	3,586,198.82
1,460,057.38	1,045,368.48	866,909.54	1,655,300.24	2,499,774.75	2,863,411.47

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig	Alvinston	Amherst- burg
Population.....	1,954	P.V.	457	645	2,743
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	1,627.38			133.56	
Substation equipment.....	2,318.36				
Distribution system—overhead....	27,196.78	9,456.68	7,844.15	16,404.91	39,968.90
Distribution system—underground					
Line transformers.....	16,190.06	5,637.62	3,814.67	2,941.70	21,150.17
Meters.....	12,272.67	3,272.73	2,780.29	3,558.49	16,636.48
Street light equipment, regular....	2,436.65	1,030.30	457.58	1,280.09	1,587.79
Street light equipment, ornamental					5,598.72
Miscellaneous construction expense	1,902.13	23.30	492.36	1,044.37	7,351.55
Steam or hydraulic plant.....				773.85	
Old plant.....					
Total plant.....	63,944.03	19,420.63	15,389.05	26,136.97	92,293.61
Bank and cash balance.....	1,289.72	2,720.21	1,212.43	82.69	5,434.31
Securities and investments.....	13,500.00	7,000.00	8,000.00	7,000.00	17,250.00
Accounts receivable.....	661.64	108.39	768.06	55.92	2,580.07
Inventories.....	1,232.33				
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	77,616.00	12,625.37	16,947.83	17,020.63	60,739.45
Other assets.....					
Total assets.....	158,243.72	41,874.60	42,317.37	50,296.21	178,297.44
Deficit.....				435.41	
Total.....	158,243.72	41,874.60	42,317.37	50,731.62	178,297.44
<b>LIABILITIES</b>					
Debenture balance.....					9,679.20
Accounts payable.....	90.65	209.82	250.75	42.60	348.42
Bank overdraft.....					
Other liabilities.....	1,025.49		150.00	79.00	6,680.66
Total liabilities.....	1,116.14	209.82	400.75	121.60	16,708.28
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	77,616.00	12,625.37	16,947.83	17,020.63	60,739.45
For depreciation.....	12,323.79	3,637.73	7,216.68	10,000.65	29,074.86
Other reserves.....	1,500.00	1,542.90		59.50	474.92
Total reserves.....	91,439.79	17,806.00	24,164.51	27,080.78	90,289.23
<b>SURPLUS</b>					
Debentures paid.....	14,500.00	8,072.65	6,883.38	23,529.24	22,374.40
Local sinking fund.....					
Operating surplus.....	51,187.79	15,786.13	10,868.73		48,925.53
Total surplus.....	65,687.79	23,858.78	17,752.11	23,529.24	71,299.93
Total liabilities, reserves and surplus.	158,243.72	41,874.60	42,317.37	50,731.62	178,297.44
Percentage of net debt to total assets	1.4	0.7	1.6	0.4	9.9



“A”

## Hydro Municipalities as at December 31, 1942

Ancaster Twp.	Arkona 385	Aylmer 2,412	Ayr 772	Baden P.V.	Beachville P.V.	Beamsville
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
20,227.84	10,055.73	11,013.84	125.00	660.64	176.13	16,867.14
14,397.08	2,303.10	15,317.49	5,616.06	6,612.00	4,841.14	10,315.28
6,222.55	1,945.77	13,479.08	4,385.05	4,173.96	3,676.15	7,536.86
1,537.36	750.31	4,616.00	1,162.14	738.66	444.23	2,771.88
1,037.25	243.03	2,335.56	822.49	187.22	602.04	314.85
	1,030.30	6,469.47	4,002.53			
43,422.08	16,328.24	80,609.79	29,200.20	21,986.02	25,269.46	37,806.01
5,047.11	387.22	4,903.05	1,042.61	1,131.97	1,550.70	2,778.33
	500.00	13,000.00	2,000.00	3,500.00	8,600.00	
751.64	75.84	1,022.98	572.28	838.82	631.99	211.86
		373.76				
19,440.61	6,951.65	48,369.06	16,804.67	35,318.32	45,658.83	5,412.16
						22,380.46
68,661.44	24,242.95	148,278.64	49,619.76	62,775.13	81,710.98	68,588.82
68,661.44	24,242.95	148,278.64	49,619.76	62,775.13	81,710.98	68,588.82
6,894.27	3,047.77	6,791.29	2,905.61		120.61	8,298.66
1,241.00	25.91	216.80		32.26	72.74	252.60
238.17	28.00	803.36	6.00			660.70
8,373.44	3,101.68	7,811.45	2,911.61	32.26	193.35	9,211.96
19,440.61	6,951.65	48,369.06	16,804.67	35,318.32	45,658.83	5,412.16
11,885.59	3,658.77	21,131.90	8,827.32	3,269.84	9,503.57	6,377.25
96.50		3,154.83	517.29	1,000.00		
31,422.70	10,610.42	72,655.79	26,149.28	39,588.16	55,162.40	11,789.41
7,216.01	10,065.06	31,910.63	14,597.77	5,000.00	5,416.05	29,201.34
21,649.29	465.79	35,900.77	5,961.10	18,154.71	20,939.18	18,386.11
28,865.30	10,530.85	67,811.40	20,558.87	23,154.71	26,355.23	47,587.45
68,661.44	24,242.95	148,278.64	49,619.76	62,775.13	81,710.98	68,588.82
17.0	17.9	7.8	8.9	0.1	0.6	14.6

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Belle River 844	Blenheim 1,812	Blyth 652	Bolton 590	Boothwell 644
Population.....					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	204.20	14,375.36			
Substation equipment.....		909.64			
Distribution system—overhead....	19,985.45	33,295.55	11,858.08	10,506.33	7,748.94
Distribution system—underground.					
Line transformers.....	4,681.89	12,468.85	2,664.45	4,759.38	3,207.58
Meters.....	4,836.07	11,594.98	2,554.19	3,742.75	3,608.32
Street light equipment, regular....	1,325.05	3,859.04	1,554.68	873.89	3,571.49
Street light equipment, ornamental		1,482.97			1,131.22
Miscellaneous construction expense	1,063.05	603.03	254.59	1,391.23	605.99
Steam or hydraulic plant.....					
Old plant.....			2,096.17	1,554.60	
Total plant.....	32,095.71	78,589.42	20,982.16	22,828.18	19,873.54
Bank and cash balance.....	2,926.99	2,877.79	615.95	794.25	1,171.29
Securities and investments.....	6,000.00		5,500.00	8,500.00	13,000.00
Accounts receivable.....	42.77	201.05	463.80	368.47	27.20
Inventories.....		1,397.05			5.83
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	11,755.99	42,293.16	11,033.11	19,467.28	19,153.31
Other assets.....					
Total assets.....	52,821.46	125,358.47	38,595.02	51,958.18	53,231.17
Deficit.....					
Total.....	52,821.46	125,358.47	38,595.02	51,958.18	53,231.17
LIABILITIES					
Debenture balance.....		2,718.91		1,149.03	970.96
Accounts payable.....	1.09	5,332.08	264.70	105.58	
Bank overdraft.....					
Other liabilities.....	205.00	1,840.47	150.00	34.85	1,236.83
Total liabilities.....	206.09	9,891.46	414.70	1,289.46	2,207.79
RESERVES					
For equity in H-E.P.C. systems....	11,755.99	42,293.16	11,033.11	19,467.28	19,153.31
For depreciation.....	11,641.82	23,623.64	6,603.31	8,223.38	8,626.24
Other reserves.....	1,100.00	1,830.25			15.13
Total reserves.....	24,497.81	67,747.05	17,636.42	27,690.66	27,794.68
SURPLUS					
Debentures paid.....	8,500.00	11,281.09	16,032.52	11,350.97	4,563.23
Local sinking fund.....					
Operating surplus.....	19,617.56	36,438.87	4,511.38	11,627.09	18,665.47
Total surplus.....	28,117.56	47,719.96	20,543.90	22,978.06	23,228.70
Total liabilities, reserves and surplus.	52,821.46	125,358.47	38,595.02	51,958.18	53,231.17
Percentage of net debt to total assets	0.5	10.3	1.5	4.0	3.3

## "A"—Continued

## Hydro Municipalities as at December 31, 1942

Brampton 5,823	Brantford 32,174	Brantford Twp. V.A.	Bridgeport P.V.	Brigden P.V.	Brussels 760	Burford
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
5,355.12	114,579.48			1,482.03		202.00
35,006.39	315,591.13					
55,598.72	280,271.23	70,994.49	10,416.04	8,256.30	14,536.59	9,589.62
38,654.70	207,615.78	21,321.53	3,463.71	2,825.58	3,476.45	4,322.83
32,873.12	166,396.39	18,724.83	3,157.57	2,609.54	4,420.64	4,421.07
12,334.99	25,029.79	5,600.11	1,635.60	509.23	1,587.79	425.14
	38,922.18					
7,178.48	43,446.55	5,671.83	645.21	1,170.36	1,537.56	711.15
	32,400.00				2,827.50	
187,001.52	1,224,252.53	122,312.79	19,318.13	16,853.04	28,386.53	19,671.81
4,639.88	40,882.91	318.55	4,692.87	637.34	372.55	1,141.97
6,977.81	23,650.00	1,000.00		4,300.00	11,500.00	6,500.00
815.08	16,289.75	552.84	86.04	88.44	199.78	85.74
121.77	13,238.77	1,741.01				
192,114.68	1,016,437.09	39,141.30	7,131.06	13,109.35	14,626.36	15,316.07
	162.67					
391,670.74	2,334,913.72	165,066.49	31,228.10	34,988.17	55,085.22	42,715.59
391,670.74	2,334,913.72	165,066.49	31,228.10	34,988.17	55,085.22	42,715.59
	27,500.00		5,211.13		1,665.41	
365.63	3,019.59	226.26		12.15		63.15
		1,822.73				
1,392.00	61,525.23	1,897.51	278.03	25.00	116.93	98.53
1,757.63	92,044.82	3,946.50	5,489.16	37.15	1,782.34	161.68
192,114.68	1,016,437.09	39,141.30	7,131.06	13,109.35	14,626.36	15,316.07
73,992.93	473,024.11	30,772.98	7,399.45	5,868.13	10,096.68	6,938.18
7,579.69	23,651.38	40.93		97.24		
273,687.30	1,513,112.58	69,955.21	14,530.51	19,074.72	24,723.04	22,254.25
69,050.64	502,500.00	57,125.66	7,156.90	8,000.00	19,334.59	9,000.00
47,175.17	227,256.32	34,039.12	4,051.53	7,876.30	9,245.25	11,299.66
116,225.81	729,756.32	91,164.78	11,208.43	15,876.30	28,579.84	20,299.66
391,670.74	2,334,913.72	165,066.49	31,228.10	34,988.17	55,085.22	42,715.59
0.9	4.3	3.1	22.8	0.2	4.4	0.6



## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Burgess- ville	Caledonia	Campbell- ville P.V.	Cayuga 687	Chatham 17,893
Population.....					
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....		656.01			90,216.28
Substation equipment.....					154,326.67
Distribution system—overhead....	3,831.55	19,873.50	3,022.07	19,407.99	155,154.03
Distribution system—underground..					86,297.88
Line transformers.....	1,638.74	7,199.59	1,040.07	5,966.17	107,825.44
Meters.....	1,209.93	8,665.34	850.90	4,127.77	83,409.61
Street light equipment, regular....	261.02	2,082.68	335.61	1,357.57	20,047.03
Street light equipment, ornamental					35,426.10
Miscellaneous construction expense	457.22	1,559.45	6.82	542.56	29,846.40
Steam or hydraulic plant.....					
Old plant.....					42,752.31
Total plant.....	7,398.46	40,036.57	5,255.47	31,402.06	805,301.75
Bank and cash balance.....	471.79	1,310.98	216.55	949.77	15,717.61
Securities and investments.....	1,800.00	4,700.00	2,900.00	2,200.00	90,000.00
Accounts receivable.....	16.01	96.45	331.92	106.26	28,142.97
Inventories.....		1,057.64		272.95	16,587.41
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	5,919.94	25,532.74	2,942.52	10,982.11	445,007.72
Other assets.....				.57	803.00
Total assets.....	15,606.20	72,734.38	11,646.46	45,913.72	1,401,560.46
Deficit.....					
Total.....	15,606.20	72,734.38	11,646.46	45,913.72	1,401,560.46
<b>LIABILITIES</b>					
Debenture balance.....			460.49	3,089.98	104,452.06
Accounts payable.....	18.84	224.18	37.10	269.09	13,888.56
Bank overdraft.....					
Other liabilities.....		268.50		160.00	46,796.38
Total liabilities.....	18.84	492.68	497.59	3,519.07	165,137.00
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	5,919.94	25,532.74	2,942.52	10,982.11	445,007.72
For depreciation.....	3,929.19	5,208.97	1,576.71	8,375.31	208,107.44
Other reserves.....				18.22	44,004.70
Total reserves.....	9,849.13	30,741.71	4,519.23	19,375.64	697,119.86
<b>SURPLUS</b>					
Debentures paid.....	3,500.00	4,624.00	4,987.28	16,910.02	265,547.94
Local sinking fund.....					
Operating surplus.....	2,238.23	36,875.99	1,642.36	6,108.99	273,755.66
Total surplus.....	5,738.23	41,499.99	6,629.64	23,019.01	539,303.60
Total liabilities, reserves and surplus.	15,606.20	72,734.38	11,646.46	45,913.72	1,401,560.46
Percentage of net debt to total assets	0.2	1.0	5.7	10.1	14.1

“A”—Continued

Hydro Municipalities as at December 31, 1942

Chippawa 1,320	Clifford 452	Clinton 1,922	Comber P.V.	Cottam P.V.	Courtwright 341	Dashwood P.V.
\$ c. 1,434.46	\$ c.	\$ c. 10,227.74 17,224.70	\$ c. 62.00	\$ c. 475.63	\$ c.	\$ c.
16,143.30	8,309.56	26,496.02	7,977.66	10,359.99	6,633.83	3,889.14
9,521.89	1,810.86	11,222.78	5,080.42	2,274.24	1,225.40	2,400.81
6,184.65	2,656.47	11,570.36	3,023.47	2,239.68	1,014.46	1,920.89
3,141.60	1,014.93	5,705.10	423.35	366.43	425.08	364.52
1,603.72	37.44	4,821.30	1,102.89	313.18	608.56	298.63
38,029.62	13,829.26	87,268.00	17,669.79	16,029.15	9,907.33	8,873.99
1,607.00	1,033.88	2,019.58	525.91	1,254.70	758.79	1,487.72
3,000.00	3,000.00	9,500.00	6,000.00	5,137.27	5,000.00	4,000.00
84.72	7.77	846.91	18.83	14.54	231.35	41.25
116.38		3,614.20				
19,166.17	8,046.19	52,086.50	20,473.57	5,001.06	6,367.71	9,411.47
32.53						
62,036.42	25,917.10	155,335.19	44,688.10	27,436.72	22,265.18	23,814.43
62,036.42	25,917.10	155,335.19	44,688.10	27,436.72	22,265.18	23,814.43
17.94	4,744.02 20.44	370.67	87.63	2,639.82 120.99	15.61	820.03 41.54
805.50	5.00	579.45	60.00	170.00	5.00	
823.44	4,769.46	950.12	147.63	2,930.81	20.61	861.57
19,166.17	8,046.19	52,086.50	20,473.57	5,001.06	6,367.71	9,411.47
5,934.21	4,165.92	29,059.17	7,813.65	5,536.49	2,927.40	3,813.74
		3,966.91		43.54	13.27	
25,100.38	12,212.11	85,112.58	28,287.22	10,581.09	9,308.38	13,225.21
13,350.00	3,255.98	44,500.00	7,700.00	6,360.40	8,138.35	2,579.97
22,762.60	5,679.55	24,772.49	8,553.25	7,564.42	4,797.84	7,147.68
36,112.60	8,935.53	69,272.49	16,253.25	13,924.82	12,936.19	9,727.65
62,036.42	25,917.10	155,335.19	44,688.10	27,436.72	22,265.18	23,814.43
1.9	26.7	0.9	0.6	13.1	0.1	6.0

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Delaware	Delhi	Dorchester	Drayton	Dresden
Population.....	P.V.	1,908	P.V.	526	1,529
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		2,177.24			
Substation equipment.....					523.00
Distribution system—overhead.....	5,309.95	28,983.23	9,461.36	10,137.31	20,553.61
Distribution system—underground.....					
Line transformers.....	1,819.08	16,354.51	3,317.06	4,425.18	7,992.81
Meters.....	1,420.22	12,683.10	2,902.19	3,662.59	7,955.08
Street light equipment, regular.....	205.24	3,860.38	907.18	772.21	1,652.15
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	203.81	3,845.61	378.43	469.54	2,083.46
Steam or hydraulic plant.....					
Old plant.....		28,518.74			
Total plant.....	8,958.30	96,422.81	16,966.22	19,466.83	40,760.11
Bank and cash balance.....	201.80	2,784.08	835.06	975.86	3,072.34
Securities and investments.....	1,850.00	13,000.00	3,800.00	6,500.00	6,000.00
Accounts receivable.....	2.76	213.43	753.45	60.44	873.62
Inventories.....		3,225.65	90.52		1,831.33
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	3,733.11	5,768.25	8,515.27	14,038.82	35,673.33
Other assets.....	135.12	1.59			27.84
Total assets.....	14,881.09	121,415.81	30,960.52	41,041.95	88,238.57
Deficit.....					
Total.....	14,881.09	121,415.81	30,960.52	41,041.95	88,238.57
LIABILITIES					
Debenture balance.....	484.30	74,997.99	760.20	2,912.22	
Accounts payable.....	122.58	147.79		715.59	303.26
Bank overdraft.....					
Other liabilities.....		1,447.65	28.00		458.00
Total liabilities.....	606.88	76,593.43	788.20	3,627.81	761.26
RESERVES					
For equity in H-E.P.C. systems.....	3,733.11	5,768.25	8,515.27	14,038.82	35,673.33
For depreciation.....	978.63	10,180.80	4,845.78	9,838.21	6,211.99
Other reserves.....	30.00	1,900.00	534.09		2,602.91
Total reserves.....	4,741.74	17,849.05	13,895.14	23,877.03	44,488.23
SURPLUS					
Debentures paid.....	3,515.70	10,002.01	3,539.80	6,587.78	11,423.24
Local sinking fund.....					
Operating surplus.....	6,016.77	16,971.32	12,737.38	6,949.33	31,565.84
Total surplus.....	9,532.47	26,973.33	16,277.18	13,537.11	42,989.08
Total liabilities, reserves and surplus.....	14,881.09	121,415.81	30,960.52	41,041.95	88,238.57
Percentage of net debt to total assets.....	5.4	66.2	3.5	13.4	1.4



## “A”—Continued

## Hydro Municipalities as at December 31, 1942

Drumbo P.V.	Dublin P.V.	Dundas 5,163	Dunnville 4,069	Dutton 804	East York Twp.	Elmira 2,048
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	.....	19,180.32	3,495.43	75.11	26,415.38	7,458.03
.....	.....	13,999.39	39,710.85	.....	8,893.55	.....
4,737.26	5,893.54	54,501.39	41,688.87	10,158.81	371,351.28	38,347.49
.....	.....	.....	.....	.....	.....	540.21
1,801.50	1,354.25	27,402.73	23,524.00	4,348.03	107,605.64	23,874.21
2,156.10	1,168.53	27,245.30	21,462.58	3,663.00	171,498.08	15,331.49
284.27	544.86	11,535.93	9,756.04	754.38	30,998.99	2,288.27
.....	.....	1,154.52	.....	.....	.....	.....
235.58	787.06	5,505.15	7,567.74	312.03	29,790.40	1,037.08
.....	.....	.....	.....	.....	.....	.....
.....	.....	1,867.38	10,717.62	.....	.....	2,168.08
.....	.....	.....	.....	.....	.....	.....
9,214.71	9,748.24	162,392.11	157,923.13	19,311.36	746,553.32	91,044.86
.....	.....	.....	.....	.....	.....	.....
2,340.14	1,486.82	7,815.38	5,531.43	395.25	16,086.57	3,546.25
4,500.00	1,300.00	21,500.00	32,000.00	8,000.00	6,000.00	12,000.00
25.03	69.10	445.13	903.29	21.44	26,245.51	92.69
.....	.....	289.34	1,532.74	142.90	8,734.46	.....
.....	.....	.....	.....	.....	.....	.....
7,406.37	6,296.24	155,913.24	69,577.24	22,004.04	313,011.37	85,004.90
.....	.....	212.08	.....	.....	1,300.14	.....
.....	.....	.....	.....	.....	.....	.....
23,486.25	18,900.40	348,567.28	267,467.83	49,874.99	1,117,931.37	191,688.70
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
23,486.25	18,900.40	348,567.28	267,467.83	49,874.99	1,117,931.37	191,688.70
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
544.29	.....	2,152.21	19,903.61	.....	96,031.16	6,318.61
95.13	19.68	486.11	125.40	9.87	49,507.39	.....
.....	.....	.....	.....	.....	.....	.....
.....	11.00	9,226.04	2,148.05	207.36	15,253.67	790.65
.....	.....	.....	.....	.....	.....	.....
639.42	30.68	11,864.36	22,177.06	217.23	160,792.22	7,109.26
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
7,406.37	6,296.24	155,913.24	69,577.24	22,004.04	313,011.37	85,004.90
5,902.06	5,823.15	75,341.49	46,423.98	10,626.95	132,803.38	32,227.05
.....	.....	398.54	6,500.00	33.23	3,067.56	2,500.00
.....	.....	.....	.....	.....	.....	.....
13,308.43	12,119.39	231,653.27	122,501.22	32,664.22	448,882.31	119,731.95
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
3,955.71	6,200.00	50,847.79	55,596.39	8,407.49	261,036.62	30,849.89
.....	.....	.....	.....	.....	.....	.....
5,582.69	550.33	54,201.86	67,193.16	8,586.05	247,220.22	33,997.60
.....	.....	.....	.....	.....	.....	.....
9,538.40	6,750.33	105,049.65	122,789.55	16,993.54	508,256.84	64,847.49
.....	.....	.....	.....	.....	.....	.....
23,486.25	18,900.40	348,567.28	267,467.83	49,874.99	1,117,931.37	191,688.70
.....	.....	.....	.....	.....	.....	.....
4.0	0.2	5.6	11.2	0.8	20.0	6.7

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality.....	Elora	Embro	Erieau	Erie Beach	Essex
Population.....	1,208	420	*243	†24	1,952
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	1,524.54				
Substation equipment.....					
Distribution system—overhead....	18,516.53	10,720.28	11,465.75	2,598.33	40,362.88
Distribution system—underground.					442.55
Line transformers.....	8,373.29	4,665.12	2,495.04	925.32	18,361.45
Meters.....	7,006.05	2,401.65	3,262.71	900.39	13,575.72
Street light equipment, regular....	1,298.49	535.73	435.74		1,655.38
Street light equipment, ornamental					7,205.06
Miscellaneous construction expense	1,004.16	69.45	379.90	375.03	1,482.93
Steam or hydraulic plant.....					
Old plant.....		429.25			
Total plant.....	37,723.06	18,821.48	18,039.14	4,799.07	83,085.97
Bank and cash balance.....	563.19	626.11	81.44	1,759.00	3,879.66
Securities and investments.....	12,500.00	2,500.00			24,000.00
Accounts receivable.....	47.25	39.88	121.70	62.97	1,107.45
Inventories.....	272.37				
Sinking fund on local debentures					
Equity in H-E.P.C. systems.....	41,009.03	12,442.80	7,386.20	1,842.30	35,333.19
Other assets.....					
Total assets.....	92,114.90	34,430.27	25,628.48	8,463.34	147,406.27
Deficit.....					
Total.....	92,114.90	34,430.27	25,628.48	8,463.34	147,406.27
<b>LIABILITIES</b>					
Debenture balance.....			581.86	956.10	13,342.52
Accounts payable.....	358.28	64.04	164.88	37.07	239.93
Bank overdraft.....					
Other liabilities.....	316.25	25.00	30.00		7,842.26
Total liabilities.....	674.53	89.04	776.74	993.17	21,424.71
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	41,009.03	12,442.80	7,386.20	1,842.30	35,333.19
For depreciation.....	19,026.40	6,992.94	5,437.44	782.41	27,180.21
Other reserves.....		9.58	73.02		2,029.66
Total reserves.....	60,035.43	19,445.32	12,896.66	2,624.71	64,543.06
<b>SURPLUS</b>					
Debentures paid.....	13,000.00	7,500.00	6,301.27	2,343.90	9,157.48
Local sinking fund.....					
Operating surplus.....	18,404.94	7,395.91	5,653.81	2,501.56	52,281.02
Total surplus.....	31,404.94	14,895.91	11,955.08	4,845.46	61,438.50
Total liabilities, reserves and surplus.	92,114.90	34,430.27	25,628.48	8,463.34	147,406.27
Percentage of net debt to total assets.	1.3	0.4	4.3	15.0	13.6

\*Summer Population 993.

†Summer population 324.

“A”—Continued

Hydro Municipalities as at December 31, 1942

Etobicoke Twp. V.A.	Exeter 1,582	Fergus 2,787	Fonthill 919	Forest 1,569	Forest Hill 12,779	Galt 14,858
\$ c. 34,709.67 2,683.09 336,261.28 ..... 111,288.64 88,191.49 16,096.11 2,689.44 32,062.24 ..... .....	\$ c. 3,832.48 ..... 32,898.76 ..... 13,308.95 9,709.64 4,902.87 2,283.36 ..... .....	\$ c. ..... ..... 35,467.10 ..... 22,291.56 15,108.83 6,126.75 1,073.90 2,546.59 .....	\$ c. ..... ..... 12,678.47 ..... 6,149.37 5,601.93 1,801.02 262.11 3,500.00 .....	\$ c. 6,528.31 ..... 23,457.54 ..... 12,429.13 11,550.57 2,663.94 1,318.43 11,042.87 .....	\$ c. 39,434.92 80,767.90 193,344.03 2,169.95 110,965.56 64,902.15 9,505.00 16,795.63 19,106.28 .....	\$ c. 202,082.05 155,192.44 282,862.81 4,828.20 135,415.11 85,845.34 72,298.23 22,800.58 .....
623,981.96	66,936.06	82,614.73	29,992.90	68,990.79	536,991.42	961,324.76
2,829.11	1,990.71	4,895.83	2,951.22	1,622.29	17,082.83	419.25
.....	19,000.00	12,000.00	.....	19,510.00	30,000.00	62,000.00
16,403.41	1,814.97	281.21	65.10	176.07	1,550.59	39,357.43
10,074.08	1,537.44	94.34	.....	3,175.37	5,872.29	32,981.46
251,540.22	46,862.48	70,847.37	7,259.67	37,501.36	199,995.60	608,515.67
95.79	.....	295.95	.....	.....	.....	8.07
904,924.57	138,141.66	171,029.43	40,268.89	130,975.88	791,492.73	1,704,606.64
904,924.57	138,141.66	171,029.43	40,268.89	130,975.88	791,492.73	1,704,606.64
65,341.12	.....	6,201.49	5,866.17	1,304.35	271,255.97	9,914.62
42,210.98	494.50	176.23	189.47	.....	1,402.63	24,869.07
7,921.25	.....	.....	.....	.....	.....	27,688.31
11,226.74	596.50	469.25	339.30	180.96	30,126.61	3,779.28
126,700.09	1,091.00	6,846.97	6,394.94	1,485.31	302,785.21	66,251.28
251,540.22	46,862.48	70,847.37	7,259.67	37,501.36	199,995.60	608,515.67
141,858.49	20,562.52	16,880.67	4,463.84	22,896.16	117,640.93	380,116.05
17,144.70	2,534.61	5,222.63	.....	1,300.00	750.00	31,300.46
410,543.41	69,959.61	92,950.67	11,723.51	61,697.52	318,386.53	1,019,932.18
200,354.28	20,000.05	35,798.51	16,633.83	33,095.65	91,525.63	508,087.33
167,326.79	47,091.00	35,433.28	5,516.61	34,697.40	78,795.36	110,335.85
367,681.07	67,091.05	71,231.79	22,150.44	67,793.05	170,320.99	618,423.18
904,924.57	138,141.66	171,029.43	40,268.89	130,975.88	791,492.73	1,704,606.64
19.1	1.2	6.8	19.4	1.6	49.8	6.0



# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality.....	George- town 2,498	Glencoe 764	Goderich 4,886	Granton P.V.	Grimsby *1,992
Population.....					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	3,712.35	3,457.66	15,588.63		
Substation equipment.....			34,532.50		
Distribution system—overhead....	37,602.14	23,223.71	73,774.64	4,489.45	38,940.00
Distribution system—underground.					
Line transformers.....	26,726.79	7,511.85	23,055.28	1,515.11	23,625.00
Meters.....	17,143.04	4,822.79	23,512.28	1,654.60	18,178.50
Street light equipment, regular....	4,598.54	2,106.42	9,159.76	180.78	2,532.00
Street light equipment, ornamental					1,925.00
Miscellaneous construction expense.	2,243.27	3,445.45	6,317.12	113.08	2,592.00
Steam or hydraulic plant.....					
Old plant.....	2,209.80		14,622.15		
Total plant.....	94,235.93	44,567.88	200,562.36	7,953.02	87,792.50
Bank and cash balance.....	1,989.95	2,262.50	10,833.43	1,409.00	
Securities and investments.....	17,229.07	9,500.00	35,000.00	3,700.00	
Accounts receivable.....	721.20	302.86	1,228.33	117.10	14,380.52
Inventories.....		377.11	1,553.47		
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	116,147.42	22,762.97	137,160.81	8,918.99	
Other assets.....			3,429.34		
Total assets.....	230,323.57	79,773.32	389,767.74	22,098.11	102,173.02
Deficit.....					
Total.....	230,323.57	79,773.32	389,767.74	22,098.11	102,173.02
LIABILITIES					
Debenture balance.....	1,370.70		24,091.16	680.24	82,478.00
Accounts payable.....	195.84	199.16	1,284.31	354.42	36.30
Bank overdraft.....					
Other liabilities.....	1,594.66	146.59	2,761.00		3,719.83
Total liabilities.....	3,161.20	345.75	28,136.47	1,034.66	86,234.13
RESERVES					
For equity in H-E.P.C. systems....	116,147.42	22,762.97	137,160.81	8,918.99	
For depreciation.....	24,789.18	15,505.78	103,108.64	3,878.25	2,300.50
Other reserves.....		855.34	807.45	60.00	
Total reserves.....	140,936.60	39,124.09	241,076.90	12,857.24	2,300.50
SURPLUS					
Debentures paid.....	18,629.30	20,121.88	71,996.89	2,819.76	2,866.00
Local sinking fund.....					
Operating surplus.....	67,596.47	20,190.60	48,557.48	5,386.45	10,772.39
Total surplus.....	86,225.77	40,303.48	120,554.37	8,206.21	13,638.39
Total liabilities, reserves and surplus..	230,323.57	79,773.32	389,767.74	22,098.11	102,173.02
Percentage of net debt to total assets..	2.8	0.6	11.1	7.9	84.1

\*11 months operation.

## “A”—Continued

## Hydro Municipalities as at December 31, 1942

Guelph	Hagersville	Hamilton	Harriston	Harrow	Hensall	Hespeler
22,685	1,429	160,813	1,287	1,086	680	2,967
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
14,670.38		972,401.18	395.25	2,318.16		4,684.43
165,379.10	864.37	2,215,292.97	600.00			39,962.26
252,666.61	21,617.91	1,293,969.14	23,001.18	20,401.71	12,645.26	32,256.50
27,712.18		811,301.35				
119,398.48	12,124.10	958,339.05	8,463.85	11,031.57	6,811.35	28,767.16
117,495.76	9,988.60	818,465.11	9,657.22	8,188.77	4,050.80	14,486.38
45,058.14	1,135.27	286,233.04	1,332.00	943.46	612.83	8,160.72
13,180.23	780.47	106,056.45	1,084.02	699.79	645.66	1,972.71
			1,001.43		400.00	
755,560.88	46,510.72	7,462,058.29	45,534.95	43,583.46	25,165.90	130,290.16
2,244.41	5,903.90	230,358.06	550.59	2,653.88	843.11	9,429.85
35,000.00	23,000.00		9,000.00	1,200.00	9,500.00	10,000.00
5,960.48	14.20	377,013.43	144.77	160.64	208.62	716.45
23,657.42	8.67	203,671.59	195.23	113.18		700.60
		41,206.77				
739,326.60	84,636.25	5,430,304.98	37,609.57	28,469.43	18,464.63	129,825.43
128.00	9.44	89,561.45	8.39			12.35
1,561,877.79	160,083.18	13,834,174.57	93,043.50	76,180.59	54,182.26	280,974.84
1,561,877.79	160,083.18	13,834,174.57	93,043.50	76,180.59	54,182.26	280,974.84
	371.72	882,000.00	3,451.19		2,411.20	13,738.11
23,212.95	118.05	318,891.23	.16	465.08		384.19
2,615.33	570.00	*332,450.94	110.82	295.00	40.00	220.00
25,828.28	1,059.77	1,533,342.17	3,562.17	760.08	2,451.20	14,342.30
739,326.60	84,636.25	5,430,304.98	37,609.57	28,469.43	18,464.63	129,825.43
176,755.10	16,566.00	1,551,649.55	14,059.06	10,352.53	11,153.03	29,322.61
1,052.46	1,500.00	837,366.67		136.30		166.92
917,134.16	102,702.25	7,819,321.20	51,668.63	38,958.26	29,617.66	159,314.96
145,000.00	7,628.28	3,178,275.19	22,366.84	12,000.00	9,588.80	63,832.40
		41,206.77				
473,915.35	48,692.88	1,262,029.24	15,445.86	24,462.25	12,524.60	43,485.18
618,915.35	56,321.16	4,481,511.20	37,812.70	36,462.25	22,113.40	107,317.58
1,561,877.79	160,083.18	13,834,174.57	93,043.50	76,180.59	54,182.26	280,974.84
3.1	1.4	17.8	6.5	1.6	6.8	9.5

\*\$100,000.00 balance re purchase agreement.

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Highgate	Humber- stone	Ingersoll	Jarvis	Kings- ville
Population.....	312	2,896	5,616		2,367
ASSETS.....	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....			15,772.13		8,592.27
Substation equipment.....			51,488.29		
Distribution system—overhead.....	8,333.72	24,507.84	59,294.16	10,080.96	35,258.49
Distribution system—underground.....					
Line transformers.....	2,109.25	14,338.39	37,391.05	3,422.06	16,814.68
Meters.....	2,001.63	11,037.06	30,107.94	3,087.95	16,516.77
Street light equipment, regular.....	453.91	943.79	4,988.75	931.82	1,470.29
Street light equipment, ornamental.....			4,597.59		19,200.00
Miscellaneous construction expense.....	491.60	3,384.60	9,506.74	606.53	474.86
Steam or hydraulic plant.....					
Old plant.....					
Total plant.....	13,390.11	54,211.68	213,146.65	18,129.32	98,327.36
Bank and cash balance.....	315.30	2,024.81	2,505.42	833.80	3,474.75
Securities and investments.....	4,500.00	20,000.00	8,540.08	10,500.00	24,000.00
Accounts receivable.....	47.50	86.39	620.39	89.21	289.25
Inventories.....			1,442.43		212.65
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	10,690.32	23,898.50	204,850.17	16,834.54	45,913.75
Other assets.....			23.13		
Total assets.....	28,943.23	100,221.38	431,128.27	46,386.87	172,217.76
Deficit.....					
Total.....	28,943.23	100,221.38	431,128.27	46,386.87	172,217.76
LIABILITIES					
Debenture balance.....		4,000.00		832.84	20,404.12
Accounts payable.....	158.31		15,640.76	44.20	5.85
Bank overdraft.....					
Other liabilities.....	70.00	1,920.21	6,727.59		22,235.30
Total liabilities.....	228.31	5,920.21	22,368.35	877.04	42,645.27
RESERVES					
For equity in H-E.P.C. systems.....	10,690.32	23,898.50	204,850.17	16,834.54	45,913.75
For depreciation.....	6,591.58	7,873.81	25,462.46	6,425.84	31,813.76
Other reserves.....		1,500.00	1,924.68		388.66
Total reserves.....	17,281.90	33,272.31	232,237.31	23,260.38	78,116.17
SURPLUS					
Debentures paid.....	5,000.00	28,000.00	79,800.00	9,667.16	13,095.88
Local sinking fund.....					
Operating surplus.....	6,433.02	33,028.86	96,722.61	12,582.29	38,360.44
Total surplus.....	11,433.02	61,028.86	176,522.61	22,249.45	51,456.32
Total liabilities, reserves and surplus.....	28,943.23	100,221.38	431,128.27	46,386.87	172,217.76
Percentage of net debt to total assets.....	1.2	7.8	8.0	2.9	21.9



“A”—Continued

Hydro Municipalities as at December 31, 1942

Kitchener	Lambeth	La Salle	Leamington	Listowel	London
34,734	P.V.	1,010	5,534	3,002	76,086
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
248,273.73		1,210.68	18,580.07	1,459.49	456,373.02
465,974.75			7,101.97		1,052,184.20
394,567.47	9,158.90	22,206.43	64,407.09	48,519.95	826,370.60
38,026.26			17,209.04	5,522.87	402,230.33
261,015.71	2,424.87	6,775.22	27,547.87	23,928.93	425,803.04
246,968.17	2,751.69	5,006.49	29,885.18	18,657.19	407,677.81
76,299.58	1,053.80	1,054.22	1,574.66	3,139.12	73,053.32
126,922.86			15,178.49	1,539.79	92,286.12
16,397.07	315.71	1,809.42	2,033.71	2,555.45	157,727.88
52,363.91				4,745.30	
1,926,809.51	15,704.97	38,062.46	183,518.08	110,068.09	3,893,706.32
31,343.35	292.17	2,555.97	12,691.31	8,624.04	100,361.23
50,000.00	2,000.00	4,000.00	38,500.00	14,000.00	349,500.00
75,241.17	376.52	356.05	372.77	559.46	173,904.32
39,144.72		10.20		220.95	72,016.30
					395,539.59
1,455,457.02	10,848.28	15,744.77	98,474.32	86,732.10	2,719,372.84
795.71			328.05	55.27	183.62
3,578,791.48	29,221.94	60,729.45	333,884.53	220,259.91	7,704,584.22
3,578,791.48	29,221.94	60,729.45	333,884.53	220,259.91	7,704,584.22
214,337.97		3,612.21			349,550.82
61,154.00	78.32	205.23	4,448.21	3,563.67	105,465.00
128,651.66	190.00	1,023.40	18,528.67	2,014.69	100,101.62
404,143.63	268.32	4,840.84	22,976.88	5,578.36	555,117.44
1,455,457.02	10,848.28	15,744.77	98,474.32	86,732.10	2,719,372.84
517,141.60	6,407.30	13,875.84	46,897.30	51,436.39	1,583,658.83
7,154.53	242.08	207.00	5,220.73	2,500.00	184,867.98
1,979,753.15	17,497.66	29,827.61	150,592.35	140,668.49	4,487,899.65
522,812.03	4,000.00	11,887.79	48,000.00	43,189.89	1,232,349.18
					395,539.59
672,082.67	7,455.96	14,173.21	112,315.30	30,823.17	1,033,678.36
1,194,894.70	11,455.96	26,061.00	160,315.30	74,013.06	2,661,567.13
3,578,791.48	29,221.94	60,729.45	333,884.53	220,259.91	7,704,584.22
13.9	1.5	10.8	3.5	3.1	1.5

## STATEMENT

## Balance Sheets of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality.....	London Twp. V.A.	Long Branch 4,600	Lucan 621	Lynden	Markham 1,126
Population.....					
<b>ASSETS.....</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....			375.45	241.18	
Substation equipment.....					
Distribution system—overhead.....	23,928.77	61,385.90	11,737.90	4,869.69	19,354.48
Distribution system—underground.....					
Line transformers.....	8,906.12	19,203.25	4,592.28	3,136.23	10,284.45
Meters.....	6,570.76	23,176.51	4,058.06	2,280.80	7,614.05
Street light equipment, regular.....	1,819.11	5,791.06	4,549.30	354.06	833.91
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	2,272.89	2,305.28	771.90	233.57	1,333.75
Steam or hydraulic plant.....					
Old plant.....	1,733.80		2,860.45		
Total plant.....	45,231.45	111,862.00	28,945.34	11,115.53	39,420.64
Bank and cash balance.....	2,899.55	1,319.26	1,190.93	1,825.44	2,431.36
Securities and investments.....			6,000.00	1,000.00	10,000.00
Accounts receivable.....	449.29	15,462.81	64.61	45.24	201.29
Inventories.....					
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	23,386.09	30,331.44	20,278.92	14,391.34	21,575.05
Other assets.....					
Total assets.....	71,966.38	158,975.51	56,479.80	28,377.55	73,628.34
Deficit.....					
Total.....	71,966.38	158,975.51	56,479.80	28,377.55	73,628.34
<b>LIABILITIES</b>					
Debenture balance.....	1,910.65	6,202.89	1,328.55	834.75	
Accounts payable.....	5,912.08	3,281.67	65.88	31.05	
Bank overdraft.....					
Other liabilities.....	547.16	2,805.74	182.00	14.00	276.00
Total liabilities.....	8,369.89	12,290.30	1,576.43	879.80	276.00
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	23,386.09	30,331.44	20,278.92	14,391.34	21,575.05
For depreciation.....	11,865.05	25,565.67	9,165.52	4,129.43	8,768.37
Other reserves.....	3.82	4,322.30			1,617.26
Total reserves.....	35,254.96	60,219.41	29,444.44	18,520.77	31,960.68
<b>SURPLUS</b>					
Debentures paid.....	17,089.35	34,101.71	9,885.07	3,660.25	11,373.63
Local sinking fund.....					
Operating surplus.....	11,252.18	52,364.09	15,573.86	5,316.73	30,018.03
Total surplus.....	28,341.53	86,465.80	25,458.93	8,976.98	41,391.66
Total liabilities, reserves and surplus.....	71,966.38	158,975.51	56,479.80	28,377.55	73,628.34
Percentage of net debt to total assets.....	17.2	9.6	4.4	6.3	0.5

“A”—Continued

Hydro Municipalities as at December 31, 1942

Merlin P.V.	Merritton	Milton 1,922	Milverton 995	Mimico 7,641	Mitchell 1,678	Moorefield P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	6,764.41	13,858.12	761.88	20,455.40	18,438.97	.....
.....	96,695.94	16,418.16	.....	43,265.89	16,616.28	.....
9,202.48	42,752.34	23,581.86	12,700.06	82,742.28	33,582.62	3,180.68
.....	.....	.....	.....	.....	.....	.....
4,065.36	14,400.26	16,595.97	8,464.30	42,132.52	15,324.27	1,512.75
2,634.09	17,671.82	15,757.22	5,387.14	34,722.00	13,219.02	1,407.55
570.46	4,992.52	5,416.92	848.75	10,167.55	7,132.20	295.88
.....	.....	.....	.....	.....	.....	.....
478.50	2,963.93	3,405.14	610.50	11,845.36	1,456.55	354.05
.....	.....	3,092.54	.....	.....	1,380.00	.....
.....	.....	.....	.....	.....	.....	.....
16,950.89	186,241.22	98,125.93	28,772.63	245,331.00	107,149.91	6,750.91
.....	.....	.....	.....	.....	.....	.....
1,219.16	11,351.71	960.54	1,387.19	14,882.14	954.69	868.31
10,500.00	20,000.00	18,000.00	7,000.00	22,000.00	14,950.00	3,000.00
4.51	386.47	314.68	113.97	1,869.74	4,958.74	23.44
.....	.....	3,375.76	.....	.....	4,856.92	.....
.....	.....	.....	.....	.....	.....	.....
12,820.04	179,722.80	110,785.81	46,552.97	156,792.27	49,061.69	6,768.56
.....	1.57	140.62	.....	161.40	1.27	.....
.....	.....	.....	.....	.....	.....	.....
41,494.60	397,703.77	231,703.34	83,826.76	441,036.55	181,933.22	17,411.22
.....	.....	.....	.....	.....	.....	.....
41,494.60	397,703.77	231,703.34	83,826.76	441,036.55	181,933.22	17,411.22
.....	.....	.....	.....	.....	.....	.....
.....	2,207.29	.....	.....	25,366.74	.....	.....
276.06	114.09	232.95	221.20	1,000.60	275.22	22.80
.....	.....	.....	.....	.....	.....	.....
85.00	.....	675.08	.....	7,302.76	298.00	.....
.....	.....	.....	.....	.....	.....	.....
361.06	2,321.38	908.03	221.20	33,670.10	573.22	22.80
.....	.....	.....	.....	.....	.....	.....
12,820.04	179,722.80	110,785.81	46,552.97	156,792.27	49,061.69	6,768.56
5,348.36	30,749.34	27,592.94	8,711.50	81,615.88	44,996.08	3,883.93
23.40	12,000.00	4,697.89	.....	5,242.07	1,843.93	.....
.....	.....	.....	.....	.....	.....	.....
18,191.80	222,472.14	143,076.64	55,264.47	243,650.22	95,901.70	10,652.49
.....	.....	.....	.....	.....	.....	.....
13,122.36	29,978.92	33,046.41	9,500.00	101,633.26	22,295.22	4,500.00
.....	.....	.....	.....	.....	.....	.....
9,819.38	142,931.33	54,672.26	18,841.09	62,082.97	63,163.08	2,235.93
.....	.....	.....	.....	.....	.....	.....
22,941.74	172,910.25	87,718.67	28,341.09	163,716.23	85,458.30	6,735.93
.....	.....	.....	.....	.....	.....	.....
41,494.60	397,703.77	231,703.34	83,826.76	441,036.55	181,933.22	17,411.22
.....	.....	.....	.....	.....	.....	.....
1.3	1.1	0.8	0.6	11.8	0.4	0.2



## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Mount Brydges	Newbury	New Hamburg	New Toronto	Niagara Falls
Population.....		245	1,438	7,855	19,726
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....			2,517.19	45,514.80	132,550.59
Substation equipment.....			1,217.05		271,299.87
Distribution system—overhead....	7,697.47	6,945.58	25,109.15	98,562.34	207,729.77
Distribution system—underground.				17,198.72	
Line transformers.....	1,845.43	1,571.26	9,871.11	46,195.62	189,164.76
Meters.....	2,788.12	1,406.91	10,344.90	41,479.63	123,566.61
Street light equipment, regular....	1,385.36	881.47	2,274.20	14,721.65	118,545.95
Street light equipment, ornamental.					
Miscellaneous construction expense	105.90	558.91	328.90	7,816.89	22,828.97
Steam or hydraulic plant.....					
Old plant.....			5,242.56		
Total plant.....	13,822.28	11,364.13	56,905.06	271,489.65	1,065,686.52
Bank and cash balance.....	1,513.75	849.06	858.33	17,252.71	75,013.95
Securities and investments.....	10,000.00	3,500.00	11,000.00	57,000.00	125,000.00
Accounts receivable.....	914.78	740.28	279.72	1,382.10	1,284.44
Inventories.....			726.89	4,932.04	9,128.79
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	8,472.84	4,920.17	53,992.73	502,521.76	623,841.04
Other assets.....		39.78			1,440.19
Total assets.....	34,723.65	21,413.42	123,762.73	854,578.26	1,901,394.93
Deficit.....					
Total.....	34,723.65	21,413.42	123,762.73	854,578.26	1,901,394.93
<b>LIABILITIES</b>					
Debenture balance.....	536.11			495.62	80,743.20
Accounts payable.....	325.42	35.79		1,773.82	9,464.79
Bank overdraft.....					
Other liabilities.....	164.35	55.00	245.00	7,013.20	17,820.95
Total liabilities.....	1,025.88	90.79	245.00	9,282.64	108,028.94
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	8,472.84	4,920.17	53,992.73	502,521.76	623,841.04
For depreciation.....	5,273.30	5,182.81	19,499.34	80,167.10	321,951.56
Other reserves.....	97.38		1,633.83	12,534.98	14,212.69
Total reserves.....	13,843.52	10,102.98	75,125.90	595,223.84	960,005.29
<b>SURPLUS</b>					
Debentures paid.....	3,683.89	9,754.39	17,729.08	7,504.38	609,499.80
Local sinking fund.....					
Operating surplus.....	16,170.36	1,465.26	30,662.75	242,567.40	223,860.90
Total surplus.....	19,854.25	11,219.65	48,391.83	250,071.78	833,360.70
Total liabilities, reserves and surplus..	34,723.65	21,413.42	123,762.73	854,578.26	1,901,394.93
Percentage of net debt to total assets..	3.9	0.5	0.4	2.7	8.5

## “A”—Continued

## Hydro Municipalities as at December 31, 1942

Niagara-on-the-Lake 2,019	North York Twp.	Norwich 1,297	Oil Springs 506	Otterville P.V.	Palmerston 1,419	Paris 4,604
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,307.35	29,317.82	4,660.42	6,299.16			8,849.55
17,730.92					1,346.28	49,807.14
39,983.06	479,599.49	12,076.99	14,975.03	8,826.38	33,363.31	56,778.00
17,301.73	149,585.01	7,283.58	6,337.29	4,757.38	11,406.81	27,062.69
12,094.43	105,766.81	8,402.95	4,071.88	3,375.97	8,653.05	22,122.50
3,619.52	156.00	4,685.64	308.24	1,684.17	6,818.19	14,084.12
	21,090.84					
2,544.19	26,485.35	511.41	1,648.13	513.88	1,796.07	2,366.25
					4,018.71	
95,581.20	812,001.32	37,620.99	33,639.73	19,157.78	67,402.42	181,070.25
491.93	42,984.00	3,993.64	4,268.59	186.21	1,337.68	5,311.49
	10,000.00	7,500.00	2,000.00	3,980.00	4,000.00	22,500.00
1,663.25	6,789.29	2,378.89	67.91	1,039.06	818.00	596.47
5,958.99	16,526.61	1,828.47	97.17		2,325.51	
34,777.21	173,997.74	40,038.40	26,997.21	9,766.69	47,341.57	123,501.71
1.53					336.19	558.51
138,474.11	1,062,298.96	93,360.39	67,070.61	34,129.74	123,561.37	333,538.43
138,474.11	1,062,298.96	93,360.39	67,070.61	34,129.74	123,561.37	333,538.43
10,004.27	256,092.05					1,189.75
3,317.70	4,528.75	119.62	215.82	372.77	1,104.53	195.02
2,003.98						
384.30	32,694.71	293.37	56.52	91.38	324.31	121.12
15,710.25	293,315.51	412.99	272.34	464.15	1,428.84	1,505.89
34,777.21	173,997.74	40,038.40	26,997.21	9,766.69	47,341.57	123,501.71
18,266.61	159,934.83	10,885.00	11,404.71	7,611.18	13,562.90	87,984.42
845.25	2,014.56	571.87	90.03		401.89	51.34
53,889.07	335,947.13	51,495.27	38,491.95	17,377.87	61,306.36	211,537.7
26,497.15	271,929.82	13,756.00	16,721.31	4,500.00	27,000.00	90,810.25
42,377.64	161,106.50	27,696.13	11,585.01	11,787.72	33,826.17	29,684.82
68,874.79	433,036.32	41,452.13	28,306.32	16,287.72	60,826.17	120,495.07
138,474.11	1,062,298.96	93,360.39	67,070.61	34,129.74	123,561.37	333,538.43
15.1	31.4	0.8	0.7	1.9	1.9	1.4

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Parkhill	Petrolia	Plattsville	Point Edward	Port Colborne
Population.....	907	2,681	P.V.	1,175	6,903
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		900.00			29,470.68
Substation equipment.....		5,956.75			
Distribution system—overhead....	18,103.12	51,783.00	4,930.57	22,270.35	104,347.74
Distribution system—underground..					
Line transformers.....	6,431.54	33,537.08	2,400.32	7,633.43	32,339.91
Meters.....	4,992.74	17,509.72	2,540.27	6,495.15	28,670.16
Street light equipment, regular....	1,027.53	6,649.63	158.29	3,252.88	5,300.06
Street light equipment, ornamental..					16,611.59
Miscellaneous construction expense	1,589.29	6,059.80	607.20	982.15	6,788.19
Steam or hydraulic plant.....					
Old plant.....		3,389.94			9,929.60
Total plant.....	32,144.22	125,785.92	10,636.65	40,633.96	233,457.93
Bank and cash balance.....	1,276.82	378.20	874.22	2,669.76	4,760.53
Securities and investments.....	5,500.00	23,900.00	5,000.00	15,000.00	70,000.00
Accounts receivable.....	452.67	1,289.45	14.15	444.11	12,187.79
Inventories.....		598.50		786.84	3,239.64
Sinking fund on local debentures...					
Equity in H-E.P.C. systems.....	20,989.19	111,222.25	10,007.54	67,306.18	108,115.79
Other assets.....					
Total assets.....	60,362.90	263,174.32	26,532.56	126,840.85	431,761.68
Deficit.....					
Total.....	60,362.90	263,174.32	26,532.56	126,840.85	431,761.68
LIABILITIES					
Debenture balance.....		6,497.07	633.84	1,598.62	25,174.44
Accounts payable.....	93.79	110.09	81.19	81.82	10,410.43
Bank overdraft.....					
Other liabilities.....	102.54	1,044.56		422.04	20,121.78
Total liabilities.....	196.33	7,651.72	715.03	2,102.48	55,706.65
RESERVES					
For equity in H-E.P.C. systems....	20,989.19	111,222.25	10,007.54	67,306.18	108,115.79
For depreciation.....	10,200.16	45,875.75	4,129.15	17,611.72	68,258.50
Other reserves.....	1,200.00	247.56		1,026.72	11,806.70
Total reserves.....	32,389.35	157,345.56	14,136.69	85,944.62	188,180.99
SURPLUS					
Debentures paid.....	14,630.02	43,502.93	4,603.16	15,401.38	120,825.56
Local sinking fund.....					
Operating surplus.....	13,147.20	54,674.11	7,077.68	23,392.37	67,048.48
Total surplus.....	27,777.22	98,177.04	11,600.84	38,793.75	187,874.04
Total liabilities, reserves and surplus..	60,362.90	263,174.32	26,532.56	126,840.85	431,761.68
Percentage of net debt to total assets..	0.5	5.0	4.3	3.5	12.7



## “A”—Continued

## Hydro Municipalities as at December 31, 1942

Port Credit 1,728	Port Dalhousie 1,517	Port Dover 1,784	Port Rowan	Port Stanley 859	Preston 6,606	Princeton P.V.
\$ c. 675.00	\$ c.	\$ c. 248.75	\$ c.	\$ c. 1,574.60	\$ c.	\$ c.
35,968.39	22,950.58	36,221.65	10,369.23	27,405.53	57,024.08 91,300.06	4,478.31
14,206.45	14,739.27	13,656.32	1,883.34	14,059.69	55,798.95	3,369.70
13,649.09	11,623.05	11,010.58	2,597.07	12,354.97	43,444.80	1,521.58
5,180.06	1,041.19	2,767.73	893.23	2,145.89	5,617.32	207.93
1,678.05	2,696.74	3,487.94	736.96	7,472.19	9,887.04	96.39
	6,018.38			577.51	32,126.75	
71,357.04	59,069.21	67,392.97	16,479.83	65,590.38	295,199.00	9,673.91
4,992.97	2,036.79	2,402.19	1,222.69	4,429.76	10,832.97	851.46
2,500.00	4,500.00	6,000.00	5,500.00	11,000.00	15,000.00	4,500.00
1,366.37	1,542.68	1,502.68	8.99	770.74	13,481.24	40.17
		52.92		14.00	7,029.97	
44,998.73	40,025.07 .32	28,807.26 21.53	7,550.45	44,561.11	282,550.94 .76	10,333.11
125,215.11	107,174.07	106,179.55	30,761.96	126,365.99	624,094.88	25,398.65
125,215.11	107,174.07	106,179.55	30,761.96	126,365.99	624,094.88	25,398.65
2,443.71			4,039.78		13,148.59	429.54
374.90	651.76	896.26	19.30	293.55	9,219.31	
1,026.92	1,120.00	789.00	235.00	416.99	1,027.27	25.00
3,845.53	1,771.76	1,685.26	4,294.08	710.54	23,395.17	454.54
44,998.73	40,025.07	28,807.26	7,550.45	44,561.11	282,550.94	10,333.11
24,065.05	9,254.33	18,434.11	4,988.15	18,887.90	152,563.48	3,091.80
3,005.75	300.00			2,075.23	494.34	
72,069.53	49,579.40	47,241.37	12,538.60	65,524.24	435,608.76	13,424.91
12,056.29	22,500.00	29,000.00	6,960.22	18,950.00	139,651.41	3,120.46
37,243.76	33,322.91	28,252.92	6,969.06	41,181.21	25,439.54	8,398.74
49,300.05	55,822.91	57,252.92	13,929.28	60,131.21	165,090.95	11,519.20
125,215.11	107,174.07	106,179.55	30,761.96	126,365.99	624,094.88	25,398.65
4.8	2.6	2.2	18.5	0.9	6.9	3.0

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality.....	Queenston	Richmond Hill	Ridge- town	Riverside	Rockwood
Population.....	P.V.	1,345	1,949	5,525	P.V.
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....			3,584.63	11,371.12	79.00
Substation equipment.....		600.00	1,024.24		
Distribution system—overhead....	8,667.33	12,471.37	24,465.99	85,224.34	9,056.18
Distribution system—underground..					
Line transformers.....	3,281.64	11,204.03	12,608.57	28,112.77	3,705.66
Meters.....	1,863.98	7,060.46	10,537.26	26,708.52	3,434.79
Street light equipment, regular....	435.63	1,338.88	6,709.88		731.82
Street light equipment, ornamental			1,431.73	19,163.24	
Miscellaneous construction expense.	2,659.80	681.52	1,735.12	6,694.59	499.29
Steam or hydraulic plant.....					
Old plant.....			5,088.46		
Total plant.....	16,908.38	33,356.26	67,185.88	177,274.58	17,506.74
Bank and cash balance.....	2,095.72	2,976.53	811.36	3,681.33	870.90
Securities and investments.....	2,500.00	3,000.00	9,000.00	19,000.00	2,300.00
Accounts receivable.....	27.08	197.14	306.02	10,720.86	31.28
Inventories.....		69.24	371.04	1,021.32	107.47
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	7,606.68	22,052.57	46,678.29	89,398.99	12,254.05
Other assets.....					
Total assets.....	29,137.86	61,651.74	124,352.59	301,097.08	33,070.44
Deficit.....					
Total.....	29,137.86	61,651.74	124,352.59	301,097.08	33,070.44
LIABILITIES					
Debenture balance.....	696.94		2,039.14	10,761.47	1,425.88
Accounts payable.....	.89	1,185.72	1,439.43	3,818.90	
Bank overdraft.....					
Other liabilities.....	72.52	546.09	2,348.21	21,472.88	123.72
Total liabilities.....	770.35	1,731.81	5,826.78	36,053.25	1,549.60
RESERVES					
For equity in H-E.P.C. systems....	7,606.68	22,052.57	46,678.29	89,398.99	12,254.05
For depreciation.....	4,914.93	3,476.96	20,375.30	50,435.69	6,987.26
Other reserves.....		1,569.37	1,270.63	1,201.92	
Total reserves.....	12,521.61	27,098.90	68,324.22	141,036.60	19,241.31
SURPLUS					
Debentures paid.....	8,803.06	12,200.00	17,416.85	71,738.53	3,074.12
Local sinking fund.....					
Operating surplus.....	7,042.84	20,621.03	32,784.74	52,268.70	9,205.41
Total surplus.....	15,845.90	32,821.03	50,201.59	124,007.23	12,279.53
Total liabilities, reserves and surplus..	29,137.86	61,651.74	124,352.59	301,097.08	33,070.44
Percentage of net debt to total assets..	3.6	4.4	5.8	8.8	7.4

## "A"—Continued

## Hydro Municipalities as at December 31, 1942

Rodney 721	St. Catharines 30,406	St. Clair Beach 145	St. George P.V.	St. Jacobs P.V.	St. Marys 4,017
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	55,475.10	.....	.....	.....	18,592.63
.....	151,343.21	.....	.....	.....	32,511.55
12,289.98	292,338.77	8,976.19	6,100.33	7,492.46	64,578.75
.....	.....	.....	.....	.....	.....
3,729.82	194,292.96	3,062.85	4,038.89	4,635.13	26,624.06
3,923.71	139,922.85	2,108.13	3,513.85	3,616.38	27,089.33
3,533.02	23,804.45	.....	337.24	396.19	6,618.04
.....	29,486.71	.....	.....	.....	.....
923.65	29,454.32	158.87	374.18	527.14	9,075.08
.....	.....	.....	.....	.....	.....
700.00	*49,507.89	.....	.....	.....	20,696.85
.....	.....	.....	.....	.....	.....
25,100.18	965,626.26	14,306.04	14,364.49	16,667.30	205,786.29
.....	.....	.....	.....	.....	.....
1,576.04	24,910.51	2,411.60	573.95	521.94	6,763.85
3,200.00	60,000.00	1,500.00	6,000.00	6,000.00	5,000.00
56.30	67,790.77	270.47	.63	7.19	956.59
.....	18,509.69	.....	.....	.....	824.17
.....	109,909.80	.....	.....	.....	2,390.16
14,884.45	674,904.86	7,460.16	15,344.70	17,990.93	144,079.01
.....	155.00	.....	.....	.....	219.30
.....	.....	.....	.....	.....	.....
44,816.97	1,921,806.89	25,948.27	36,283.77	41,187.36	366,019.37
.....	.....	.....	.....	.....	.....
44,816.97	1,921,806.89	25,948.27	36,283.77	41,187.36	366,019.37
.....	.....	.....	.....	.....	.....
.....	145,750.00	.....	772.55	.....	17,393.51
96.28	52,196.15	199.19	3.67	8.55	391.53
.....	.....	.....	.....	.....	.....
270.00	29,993.21	132.18	165.00	.....	884.00
.....	.....	.....	.....	.....	.....
366.28	227,939.36	331.37	941.22	8.55	18,669.04
.....	.....	.....	.....	.....	.....
14,884.45	674,904.86	7,460.16	15,344.70	17,990.93	144,079.01
4,327.80	270,641.97	5,328.74	3,884.47	3,727.23	76,464.36
73.24	60,901.77	49.50	.....	.....	1,677.96
.....	.....	.....	.....	.....	.....
19,285.49	1,006,448.60	12,838.40	19,229.17	21,718.16	222,221.33
.....	.....	.....	.....	.....	.....
8,500.00	156,272.91	6,341.45	5,227.45	6,000.00	96,853.51
.....	109,909.80	.....	.....	.....	2,390.16
16,665.20	421,236.22	6,437.05	10,885.93	13,460.65	25,885.33
.....	.....	.....	.....	.....	.....
25,165.20	687,418.93	12,778.50	16,113.38	19,460.65	125,129.00
.....	.....	.....	.....	.....	.....
44,816.97	1,921,806.89	25,948.27	36,283.77	41,187.36	366,019.37
.....	.....	.....	.....	.....	.....
1.2	8.0	1.8	4.5	0.0	7.4

\*Includes \$32,000.00 other plants not distributed.



## STATEMENT

## Balance Sheets of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality.....	St. Thomas	Sarnia	Scarborough Twp. V.A.	Seaforth
Population.....	17,789	17,911		1,691
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	79,093.04	90,255.99	20,696.77	1,836.39
Substation equipment.....	131,949.61	231,843.49	14,934.92	8,930.07
Distribution system—overhead.....	125,989.22	232,114.44	326,019.44	32,416.73
Distribution system—underground.....	52,815.87			
Line transformers.....	70,991.53	91,757.17	89,373.28	12,416.74
Meters.....	80,194.40	87,354.71	84,592.19	10,878.21
Street light equipment, regular.....	22,412.43	27,717.39	21,561.22	5,789.27
Street light equipment, ornamental.....	3,693.04	8,271.83		
Miscellaneous construction expense.....	13,995.46	21,329.83	7,528.91	1,467.90
Steam or hydraulic plant.....				
Old plant.....		55,445.72		
Total plant.....	581,134.60	846,090.57	564,706.73	73,735.31
Bank and cash balance.....	13,405.01	1,313.78	35,226.98	3,184.21
Securities and investments.....	73,000.00	165,000.00	95,000.00	3,100.00
Accounts receivable.....	14,423.55	11,960.13	10,007.74	1,981.47
Inventories.....	12,568.62	20,812.60		1,737.46
Sinking fund on local debentures.....				
Equity in H-E.P.C. systems.....	540,533.53	682,950.62	208,189.36	66,210.21
Other assets.....		538.00	56.69	
Total assets.....	1,235,065.31	1,728,665.70	913,187.50	149,948.66
Deficit.....				
Total.....	1,235,065.31	1,728,665.70	913,187.50	149,948.66
<b>LIABILITIES</b>				
Debenture balance.....		6,179.96	52,380.13	10,000.00
Accounts payable.....	1,049.70	15,156.03	11,847.15	86.52
Bank overdraft.....		3,117.19		
Other liabilities.....	17,096.25	16,785.61	51,475.57	440.34
Total liabilities.....	18,145.95	41,238.79	115,702.85	10,526.86
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	540,533.53	682,950.62	208,189.36	66,210.21
For depreciation.....	209,672.91	232,199.95	165,008.73	23,314.45
Other reserves.....	473.37	10,486.53	17,668.15	256.65
Total reserves.....	750,679.81	925,637.10	390,866.24	89,781.31
<b>SURPLUS</b>				
Debentures paid.....	138,944.07	331,820.04	238,188.14	25,000.00
Local sinking fund.....				
Operating surplus.....	327,295.48	429,969.77	168,430.27	24,640.49
Total surplus.....	466,239.55	761,789.81	406,618.41	49,640.49
Total liabilities, reserves and surplus.....	1,235,065.31	1,728,665.70	913,187.50	149,948.66
Percentage of net debt to total assets.....	2.1	3.2	16.4	12.6

## "A"—Continued

## Hydro Municipalities as at December 31, 1942

Simcoe 5,955	Smithville P.V.	Springfield 417	Stamford Twp.	Stouffville 1,219	Stratford 16,880	Strathroy 2,873
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
10,701.89			7,572.14		141,455.78	9,373.61
41,527.90			38,143.09		183,275.75	23,640.34
59,837.62	10,889.94	10,204.76	162,560.97	14,143.24	158,639.67	50,435.89
1,412.24					22,971.15	
43,903.82	4,118.05	3,003.15	62,480.76	5,656.84	106,728.03	25,821.55
37,477.75	4,285.39	2,348.18	48,441.69	5,621.98	89,478.92	17,658.55
8,355.38	1,630.00	609.47	10,767.11	1,613.55	25,809.76	6,238.53
3,500.00						
7,034.54	247.92	685.08	13,249.54	561.06	30,632.61	6,019.34
					31,520.00	
927.92	1,878.98		13,743.66			12,343.15
214,679.06	23,050.28	16,850.64	356,958.96	27,596.67	790,511.67	151,530.96
9,516.75	3,360.11	1,282.70	20,216.13	3,209.25	20,335.62	4,582.71
40,000.00	4,000.00	3,000.00		14,000.00	125,000.00	23,000.00
788.64	5.02	211.79	15,479.81	49.04	13,629.50	936.77
5,761.27			5,411.35		14,230.28	2,117.07
					67,393.45	
119,329.84	496.72	9,922.74	107,222.49	18,438.01	649,469.98	96,725.05
			409.00		666.00	6.87
390,075.56	30,912.13	31,267.87	505,697.74	63,292.97	1,681,236.50	278,899.43
390,075.56	30,912.13	31,267.87	505,697.74	63,292.97	1,681,236.50	278,899.43
20,364.19	7,055.74	1,607.86	62,728.70		100,000.00	17,431.19
256.26	56.79		516.63	114.24	1,234.01	167.66
4,310.56	75.00	30.00	7,376.47	400.60	5,439.06	1,136.49
24,931.01	7,187.53	1,637.86	70,621.80	514.84	106,673.07	18,735.34
119,329.84	496.72	9,922.74	107,222.49	18,438.01	649,469.98	96,725.05
36,815.93	6,079.91	2,998.46	78,367.08	5,048.26	367,223.57	47,765.43
17,500.00			14,412.03	49.15	12,111.74	1,081.77
173,645.77	6,576.63	12,921.20	200,001.60	23,535.42	1,028,805.29	145,572.27
55,070.71	7,944.26	7,892.14	177,549.47	14,673.90	355,800.00	48,800.81
136,428.07	9,203.71	8,816.67	57,524.87	24,568.81	67,393.45	65,791.01
191,498.78	17,147.97	16,708.81	235,074.34	39,242.71	122,564.69	114,591.82
390,075.56	30,912.13	31,267.87	505,697.74	63,292.97	545,758.14	114,591.82
8.0	23.6	7.7	17.7	1.1	4.1	10.3

## STATEMENT

## Balance Sheets of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Streets- ville 708	Sutton 909	Swansea 6,872	Tavistock 1,092	Tecumseh 2,570
Population.....					
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	8,483.49			3,640.33	1,232.16
Substation equipment.....	1,172.04				
Distribution system—overhead....	9,623.12	22,062.62	79,212.40	13,800.27	38,512.86
Distribution system—underground..					
Line transformers.....	7,165.49	8,704.56	51,680.67	10,040.17	11,545.42
Meters.....	4,120.83	7,275.90	37,136.29	6,543.64	13,334.80
Street light equipment, regular....	1,619.31	1,932.90	10,847.50	1,152.93	
Street light equipment, ornamental..					4,760.95
Miscellaneous construction expense.	934.85	1,629.91	5,210.23	1,085.91	2,161.51
Steam or hydraulic plant.....	10,641.55				
Old plant.....		675.00			
Total plant.....	43,760.68	42,280.89	184,087.09	36,263.25	71,547.70
Bank and cash balance.....	1,690.24	358.11	10,233.66	1,001.75	2,707.48
Securities and investments.....	3,500.00	8,000.00	25,000.00	5,000.00	7,000.00
Accounts receivable.....	2,559.22	2,662.75	2,145.75	119.11	1,248.32
Inventories.....				609.45	
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	3,051.09	18,203.19	91,929.35	49,431.52	28,478.38
Other assets.....			38.14		
Total assets.....	54,561.23	71,504.94	313,433.99	92,425.08	110,981.88
Deficit.....					
Total.....	54,561.23	71,504.94	313,433.99	92,425.08	110,981.88
<b>LIABILITIES</b>					
Debenture balance.....	9,956.97	1,300.18	61,332.15	1,384.10	
Accounts payable.....	100.65	222.17	1,266.59	325.35	1,026.69
Bank overdraft.....					
Other liabilities.....	243.87		5,616.61		5,681.84
Total liabilities.....	10,301.49	1,522.35	68,215.35	1,709.45	6,708.53
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	3,051.09	18,203.19	91,929.35	49,431.52	28,478.38
For depreciation.....	6,585.21	12,292.65	56,653.18	14,754.22	18,501.89
Other reserves.....	1,500.00	1,625.00	350.00		3,073.45
Total reserves.....	11,136.30	32,120.84	148,932.53	64,185.74	50,053.72
<b>SURPLUS</b>					
Debentures paid.....	7,588.11	24,699.82	41,334.81	4,615.90	26,000.00
Local sinking fund.....					
Operating surplus.....	25,535.33	13,161.93	54,951.30	21,913.99	28,219.63
Total surplus.....	33,123.44	37,861.75	96,286.11	26,529.89	54,219.63
Total liabilities, reserves and surplus..	54,561.23	71,504.94	313,433.99	92,425.08	110,981.88
Percentage of net debt to total assets..	32.7	2.9	30.8	4.0	2.5



“A”—Continued

Hydro Municipalities as at December 31, 1942

Thamesford	Thamesville	Thedford	Thorndale	Thorold	Tilbury	Tillsonburg
P.V.	792	566	P.V.	5,284	1,965	3,981
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	681.69	.....	.....	10,837.37	11,712.47	4,824.27
7,837.02	13,348.51	9,961.69	3,836.96	43,111.30	17,614.31	21,899.54
3,845.07	5,412.10	3,798.95	2,045.45	23,786.58	14,850.39	24,723.56
3,351.45	4,692.93	2,927.50	1,942.10	24,112.18	8,291.50	23,352.53
298.97	2,267.33	903.22	181.19	3,244.74	1,080.92	12,364.89
517.01	454.59	1,530.81	310.45	4,407.03	1,781.51	2,493.25
.....	4,445.68	433.78	.....	13,313.74	.....	.....
.....	.....	.....	.....	3,800.00	3,049.47	.....
15,849.52	31,302.83	19,555.95	8,316.15	126,612.94	58,380.57	140,501.62
65.09	1,568.34	2,386.87	1,141.64	7,860.34	2,317.16	10,546.81
6,000.00	11,500.00	8,500.00	2,100.00	60,000.00	8,000.00	11,500.00
5.10	230.68	86.56	429.81	496.79	455.81	466.70
.....	.....	.....	.....	3,340.28	20.31	2,696.84
18,616.75	19,067.52	10,393.67	9,226.26	111,483.53	51,257.68	96,353.31
.....	.....	.....	.....	81.54	.48	.....
40,536.46	63,669.37	40,923.05	21,213.86	309,875.42	120,432.01	262,065.28
.....	.....	.....	.....	.....	.....	.....
40,536.46	63,669.37	40,923.05	21,213.86	309,875.42	120,432.01	262,065.28
.....	.....	.....	.....	.....	.....	.....
234.55	.....	.....	425.09	.....	1,331.95	9,314.92
144.98	571.05	305.42	29.79	3,989.38	117.40	.81
89.00	351.00	11.39	58.57	2,523.00	18.25	4,213.20
468.53	922.05	316.81	513.45	6,512.38	1,467.60	13,528.93
.....	.....	.....	.....	.....	.....	.....
18,616.75	19,067.52	10,393.67	9,226.26	111,483.53	51,257.68	96,353.31
6,410.52	11,723.22	5,913.23	4,967.84	43,677.42	19,240.81	34,611.41
.....	167.29	.....	222.88	.....	141.11	2,849.70
25,027.27	30,958.03	16,306.90	14,416.98	155,160.95	70,639.60	133,814.42
.....	.....	.....	.....	.....	.....	.....
5,123.48	11,187.80	16,500.00	2,661.39	5,000.00	12,668.05	36,685.08
9,917.18	20,601.49	7,799.34	3,622.04	143,202.09	35,656.76	78,036.85
15,040.66	31,789.29	24,299.34	6,283.43	148,202.09	48,324.81	114,721.93
40,536.46	63,669.37	40,923.05	21,213.86	309,875.42	120,432.01	262,065.28
2.1	2.1	1.0	4.0	3.3	2.1	8.2

# STATEMENT

## Balance Sheets of Electrical Departments of

### NIAGARA SYSTEM—Continued

Municipality.....	Toronto	Toronto Twp. V.A.	Trafalgar Twp. V.A. No. 1	Trafalgar Twp. V.A. No. 2
Population.....	655,751			
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	5,555,444.50	7,919.62	156.34	
Substation equipment.....	14,991,542.64			
Distribution system—overhead.....	6,923,294.81	215,087.95	24,215.38	12,474.96
Distribution system—underground.....	4,170,988.03			
Line transformers.....	3,608,085.66	83,286.31	11,407.32	2,787.64
Meters.....	3,099,326.94	49,784.91	6,093.17	1,739.86
Street light equipment, regular.....	471,578.00	5,616.75		
Street light equipment, ornamental.....				
Miscellaneous construction expense.....	2,348,759.69	3,426.43	1,543.71	325.54
Steam or hydraulic plant.....				
Old plant.....		619.65		
Total plant.....	41,169,020.27	365,741.62	43,415.92	17,328.00
Bank and cash balance.....	472,199.98	5,826.89	218.08	1,203.88
Securities and investments.....	5,465,400.47	22,000.00	7,000.00	6,000.00
Accounts receivable.....	1,898,048.15	6.86	5.20	63.28
Inventories.....	854,964.24	39.50		
Sinking fund on local debentures.....	3,771,101.25			
Equity in H-E.P.C. systems.....	20,521,051.81	124,410.47	6,076.34	2,025.48
Other assets.....	15,479.48			
Total assets.....	74,167,265.65	518,025.34	56,715.54	26,620.64
Deficit.....				
Total.....	74,167,265.65	518,025.34	56,715.54	26,620.64
<b>LIABILITIES</b>				
Debenture balance.....	9,965,706.67	13,251.78	1,586.33	7,133.20
Accounts payable.....	1,076,353.44	1,757.43	508.59	31.64
Bank overdraft.....				
Other liabilities.....	151,808.03	4,206.42		
Total liabilities.....	11,193,868.14	19,215.63	2,094.92	7,164.84
<b>RESERVES</b>				
For equity in H-E.P.C. systems.....	20,521,051.81	124,410.47	6,076.34	2,025.48
For depreciation.....	11,514,615.80	160,627.53	21,678.03	4,255.93
Other reserves.....	1,808,194.07	2,573.15		
Total reserves.....	33,843,861.68	287,611.15	27,754.37	6,281.41
<b>SURPLUS</b>				
Debentures paid.....	20,508,377.13	90,748.22	17,840.08	2,327.95
Local sinking fund.....	3,771,101.25			
Operating surplus.....	4,850,057.45	120,450.34	9,026.17	10,846.44
Total surplus.....	29,129,535.83	211,198.56	26,866.25	13,174.39
Total liabilities, reserves and surplus.....	74,167,265.65	518,025.34	56,715.54	26,620.64
Percentage of net debt to total assets.....	14.9	4.9	4.1	29.1

## "A"—Continued

## Hydro Municipalities as at December 31, 1942

Wallaceburg	Wardsville	Waterdown	Waterford	Waterloo	Watford	Welland
4,976	205	841	1,261	8,885	1,054	12,838
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
45,508.56		200.00	1,323.44	15,166.17		77,006.74
11,425.11				79,251.93		112,248.13
64,169.52	5,313.56	16,588.66	16,650.30	98,239.77	17,905.79	162,555.09
						8,044.90
44,244.91	1,619.80	7,926.48	9,116.84	59,653.90	8,221.62	118,451.32
25,231.99	1,375.01	6,324.01	7,196.95	44,842.56	6,252.46	80,268.63
11,711.74	662.94	1,104.66	3,231.62	14,318.75	2,757.32	9,611.24
				3,106.80		39,049.25
4,193.37	488.73	22.49	858.06	6,101.25	1,973.94	11,172.29
20,941.07	193.94			23,880.17		49,476.19
227,426.27	9,653.98	32,166.30	38,377.21	344,561.30	37,111.13	667,883.78
5,530.03	740.62	5,610.70	2,590.48	10,523.10	2,193.97	49,771.31
37,000.00	2,500.00	5,000.00	7,300.00	65,000.00	7,800.00	100,079.67
4,204.65	874.23	772.20	53.80	1,546.72	437.13	1,617.18
10,671.13			154.86	1,503.35	371.58	17,777.43
						*81,008.75
204,765.39	4,002.18	24,228.19	35,018.97	286,368.44	25,887.61	341,621.19
					7.45	59.87
489,597.47	17,771.01	67,777.39	83,495.32	709,502.91	73,808.87	1,259,819.18
489,597.47	17,771.01	67,777.39	83,495.32	709,502.91	73,808.87	1,259,819.18
12,594.10						101,587.41
220.03		39.93	95.63	15.00	159.41	728.50
2,827.05		125.00		3,106.80	278.20	51,276.63
15,641.18		164.93	95.63	3,121.80	437.61	153,592.54
204,765.39	4,002.18	24,228.19	35,018.97	286,368.44	25,887.61	341,621.19
64,477.70	4,139.40	9,423.12	14,933.47	166,401.67	12,564.05	188,832.41
5,511.14	25.22			735.26	110.85	3,779.56
274,754.23	8,166.80	33,651.31	49,952.44	453,505.37	38,562.51	534,233.16
58,942.48	7,562.40	8,000.00	7,745.53	106,000.00	9,055.77	173,412.59
140,259.58	2,041.81	25,961.15	25,701.72	146,875.74	25,752.98	81,008.75
						317,572.14
199,202.06	9,604.21	33,961.15	33,447.25	252,875.74	34,808.75	571,993.48
489,597.47	17,771.01	67,777.39	83,495.32	709,502.91	73,808.87	1,259,819.18
5.5	0.0	0.4	0.2	0.0	0.9	4.2

\*Interest improvement for years 1938-42 inclusive not included.



## STATEMENT

## Balance Sheets of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality.....	Wellesley	West Lorne	Weston	Wheatley	Windsor
Population.....	P.V.	790	5,784	758	107,424
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....			11,903.31	52.50	572,092.01
Substation equipment.....			72,093.84		1,282,385.29
Distribution system—overhead....	7,751.17	12,788.51	68,492.06	17,121.69	1,358,373.25
Distribution system—underground..					192,545.19
Line transformers.....	3,035.44	6,678.28	57,330.66	4,445.03	600,168.69
Meters.....	2,978.40	4,185.21	32,517.88	4,617.23	560,233.48
Street light equipment, regular....	545.11	881.46	29,548.13	1,918.67	94,027.28
Street light equipment, ornamental..					1,021,495.33
Miscellaneous construction expense	298.13	445.25	6,930.77	703.15	192,457.09
Steam or hydraulic plant.....				2,569.50	166,440.66
Old plant.....					
Total plant.....	14,608.25	24,978.71	278,816.65	31,427.77	6,040,218.27
Bank and cash balance.....	165.11	838.72	75.00	1,483.35	45,448.78
Securities and investments.....	5,500.00	5,500.00		12,500.00	1,036,952.17
Accounts receivable.....	24	14.40	762.84	345.58	151,624.34
Inventories.....		109.28	528.36	35.92	199,443.48
Sinking fund on local debentures..					66,717.40
Equity in H-E.P.C. systems.....	17,522.43	26,930.89	258,313.60	14,958.78	3,302,638.91
Other assets.....		73.43	545.27		33,000.00
Total assets.....	37,796.03	58,445.43	539,041.72	60,751.40	10,876,043.35
Deficit.....					
Total.....	37,796.03	58,445.43	539,041.72	60,751.40	10,876,043.35
<b>LIABILITIES</b>					
Debenture balance.....			3,862.49	1,031.12	484,220.80
Accounts payable.....	32.27	123.91	10,415.16	130.28	116,471.76
Bank overdraft.....			5,748.08		
Other liabilities.....		125.82	3,145.27		1,161,407.15
Total liabilities.....	32.27	249.73	23,171.00	1,161.40	1,762,099.71
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	17,522.43	26,930.89	258,313.60	14,958.78	3,302,638.91
For depreciation.....	4,519.48	10,833.02	48,259.37	8,684.98	1,460,256.70
Other reserves.....		65.12	480.52	30.23	506,087.17
Total reserves.....	22,041.91	37,829.03	307,053.49	23,673.99	5,268,982.78
<b>SURPLUS</b>					
Debentures paid.....	7,500.00	8,000.00	66,169.95	11,968.88	2,099,611.25
Local sinking fund.....					66,717.40
Operating surplus.....	8,221.85	12,366.67	142,647.28	23,947.13	1,678,632.21
Total surplus.....	15,721.85	20,366.67	208,817.23	35,916.01	3,844,960.86
Total liabilities, reserves and surplus.	37,796.03	58,445.43	539,041.72	60,751.40	10,876,043.35
Percentage of net debt to total assets	0.2	0.8	8.3	2.5	10.4

“A”—Continued

Hydro Municipalities as at December 31, 1942

Woodbridge 1,032	Woodstock 12,125	Wyoming 554	York Twp.	Zurich P.V.	NIAGARA SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	40,896.99	50.00	75,231.47	.....	9,587,642.61
.....	131,489.18	.....	6,245.09	.....	23,007,382.84
19,274.35	135,498.68	10,691.89	783,348.32	7,373.89	19,719,520.43
.....	.....	.....	.....	.....	5,862,256.92
6,174.26	72,650.39	1,508.00	337,553.61	2,844.27	10,142,626.28
6,135.82	66,074.42	3,148.86	336,729.05	3,003.93	8,684,535.15
624.03	22,745.24	548.49	56,815.65	471.82	2,007,740.12
.....	.....	.....	.....	.....	1,543,717.00
1,180.85	8,049.17	886.52	54,473.15	434.77	3,551,096.80
.....	.....	.....	.....	.....	55,475.29
.....	.....	.....	.....	150.00	737,417.83
33,389.31	477,404.07	16,833.76	1,650,396.34	14,278.68	84,899,411.27
3,384.64	13,303.08	559.52	81,933.63	588.10	1,774,252.84
4,000.00	84,000.00	1,000.00	110,000.00	7,500.00	9,629,206.54
195.99	2,094.76	15.86	65,675.54	.....	3,165,138.34
.....	346.93	.....	40,116.42	.....	1,730,687.87
34,337.80	438,501.29	8,933.01	778,345.53	14,297.53	4,535,267.17
.....	547.74	1.80	.....	.....	49,494,317.80
75,307.74	1,016,197.87	27,343.95	2,726,467.46	36,664.31	174,580.29
.....	.....	.....	.....	.....	155,402,862.12
75,307.74	1,016,197.87	27,343.95	2,726,467.46	36,664.31	435.41
.....	.....	.....	.....	.....	155,403,297.53
1,577.85	.....	.....	114,453.63	1,668.51	14,066,776.84
956.73	1,000.62	29.07	54,370.93	76.63	2,101,494.06
.....	.....	.....	.....	.....	48,301.54
486.00	8,961.45	82.50	29,016.86	10.00	2,531.836.19
3,020.58	9,962.07	111.57	197,841.42	1,755.14	18,748,408.63
34,337.80	438,501.29	8,933.01	778,345.53	14,297.53	49,494,317.80
11,343.59	218,234.09	5,613.30	678,173.25	7,361.66	24,299,328.96
1,500.00	21,195.35	.....	14,054.47	.....	3,812,005.10
47,181.39	677,930.73	14,546.31	1,470,573.25	21,659.19	77,605,651.86
6,922.12	127,385.63	9,700.00	374,921.02	3,923.10	35,747,858.33
18,183.65	200,919.44	2,986.07	683,131.77	9,326.88	4,535,267.17
25,105.77	328,305.07	12,686.07	1,058,052.79	13,249.98	18,766,111.54
75,307.74	1,016,197.87	27,343.95	2,726,467.46	36,664.31	59,049,237.04
7.4	1.7	0.6	10.1	7.8	155,403,297.53
.....	.....	.....	.....	.....	12.7

## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM

Municipality.....	Alliston	Arthur	Barrie	Beaverton	Beeton	
Population.....	1,590	1,043	9,994	904	634	
ASSETS	\$	c.	\$	c.	\$	c.
Lands and buildings.....			16,550.75	499.50		
Substation equipment.....	675.73		18,884.56		428.50	
Distribution system—overhead....	29,161.46	18,336.15	71,688.07	25,310.89	11,896.38	
Distribution system—underground..			66,437.67			
Line transformers.....	8,336.02	4,739.78	47,364.06	8,962.64	2,985.94	
Meters.....	8,440.43	4,817.21	54,405.86	7,240.25	2,415.15	
Street light equipment, regular....	1,567.17	796.21	13,459.34	1,316.79	1,169.54	
Street light equipment, ornamental						
Miscellaneous construction expense	2,536.03	305.23	3,849.38	2,312.22	1,542.71	
Steam or hydraulic plant.....						
Old plant.....	7,846.49	1,086.62		3,772.42		
Total plant.....	58,563.33	30,081.20	292,639.69	49,414.71	20,438.22	
Bank and cash balance.....	2,058.42	357.92	4,638.45	856.96	1,905.24	
Securities and investments.....	11,500.00	2,000.00		7,000.00	4,500.00	
Accounts receivable.....	302.14	49.17	2,204.20	199.79	210.58	
Inventories.....	44.31		4,457.40			
Sinking fund on local debentures..						
Equity in H-E.P.C. systems.....	25,744.34	21,304.93	168,477.62	22,517.83	17,009.88	
Other assets.....		385.00	12,222.53		65.46	
Total assets.....	98,212.54	54,178.22	484,639.89	79,989.29	44,129.38	
Deficit.....		12,820.07				
Total.....	98,212.54	66,998.29	484,639.89	79,989.29	44,129.38	
LIABILITIES						
Debenture balance.....	10,183.30	8,910.26	7,174.13	619.54	4,952.72	
Accounts payable.....	89.32	503.42	1,831.39	169.70	54.63	
Bank overdraft.....						
Other liabilities.....	268.50	385.00	4,786.47	534.54	65.46	
Total liabilities.....	10,541.12	9,798.68	13,791.99	1,323.78	5,072.81	
RESERVES						
For equity in H-E.P.C. systems....	25,744.34	21,304.93	168,477.62	22,517.83	17,009.88	
For depreciation.....	21,573.50	19,804.94	116,430.24	18,108.24	11,173.25	
Other reserves.....	2,075.46		3,400.00	400.00	100.00	
Total reserves.....	49,393.30	41,109.87	288,307.86	41,026.07	28,283.13	
SURPLUS						
Debentures paid.....	29,816.70	16,089.74	58,191.55	14,380.46	10,047.28	
Local sinking fund.....						
Operating surplus.....	8,461.42		124,348.49	23,258.98	726.16	
Total surplus.....	38,278.12	16,089.74	182,540.04	37,639.44	10,773.44	
Total liabilities, reserves and surplus.	98,212.54	66,998.29	484,639.89	79,989.29	44,129.38	
Percentage of net debt to total assets	14.5	29.8	4.4	2.3	18.7	



“A”—Continued

Hydro Municipalities as at December 31, 1942

Bradford 947	Brechin P.V.	Cannington 762	Chatsworth 325	Chesley 1,771	Coldwater 563	Collingwood 5,808
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
388.50			364.89	6,000.00	275.00	15,950.08
20,973.04	2,135.59	11,958.66	5,303.95	2,305.58		17,207.98
				22,424.60	9,482.65	57,471.24
5,221.05	1,395.73	5,821.36	2,309.52	9,078.66	3,726.86	21,569.12
6,218.72	889.42	5,026.49	1,831.79	7,350.03	3,271.91	27,508.87
544.95	248.55	988.37	529.17	2,506.98	775.02	3,200.68
2,370.17	546.92	614.48	475.50	4,255.61	240.36	1,678.05
		3,609.37				
35,716.43	5,216.21	28,018.73	10,814.82	53,921.46	17,771.80	144,586.02
1,154.52	1,217.30	2,775.51	1,012.99	15.00	1,047.47	4,585.20
10,000.00	500.00	2,000.00	1,500.00	5,000.00	4,000.00	14,000.00
294.06	114.57	123.32	114.32	61.24	965.87	386.50
		221.25		361.05		
19,933.62	8,345.15	16,994.89	4,918.39	39,811.99	16,359.38	149,363.32
50.94						
67,149.57	15,393.23	50,133.70	18,360.52	99,170.74	40,144.52	312,921.04
67,149.57	15,393.23	50,133.70	18,360.52	99,170.74	40,144.52	312,921.04
7,927.11	985.16	1,524.58			456.41	
530.37	54.20	152.93	80.10	6,016.16	65.73	381.24
				488.80		
305.46	25.85	64.00	144.36		239.37	2,899.35
8,762.94	1,065.21	1,741.51	224.46	6,504.96	761.51	3,280.59
19,933.62	8,345.15	16,994.89	4,918.39	39,811.99	16,359.38	149,363.32
15,078.41	2,219.59	13,553.35	4,163.07	17,530.09	11,418.32	71,773.07
29.88	47.11	564.05			80.00	158.38
35,041.91	10,611.85	31,112.29	9,081.46	57,342.08	27,857.70	221,294.77
17,272.89	2,225.76	13,475.42	5,400.00	27,500.00	6,543.59	38,183.42
6,071.83	1,490.41	3,804.48	3,654.60	7,823.70	4,981.72	50,162.26
23,344.72	3,716.17	17,279.90	9,054.60	35,323.70	11,525.31	88,345.68
67,149.57	15,393.23	50,133.70	18,360.52	99,170.74	40,144.52	312,921.04
18.6	15.1	5.3	1.6	10.9	3.2	2.0

## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Cooks- town P.V.	Creemore	Dundalk	Durham	Elmvale
Population.....		666	688	1,959	P.V.
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	70.00			210.28	106.25
Substation equipment.....	392.95			546.02	2,273.07
Distribution system—overhead....	9,874.23	7,669.57	8,662.36	23,088.48	9,788.13
Distribution system—underground..					
Line transformers.....	2,685.85	3,676.20	4,245.50	9,419.39	3,821.64
Meters.....	2,618.15	3,262.37	3,380.88	7,983.16	4,386.59
Street light equipment, regular....	919.69	358.56	1,203.31	1,545.06	447.17
Street light equipment, ornamental					
Miscellaneous construction expense.	1,535.10	66.22	256.88	1,776.88	530.38
Steam or hydraulic plant.....					
Old plant.....				2,091.39	
Total plant.....	18,095.97	15,032.92	17,748.93	46,660.66	21,353.23
Bank and cash balance.....	2,978.19	61.15	1,740.72	13.35	2,561.55
Securities and investments.....	7,000.00	5,000.00	4,000.00	9,000.00	6,700.00
Accounts receivable.....	454.45	178.98	116.15	640.71	45.18
Inventories.....				648.02	
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	5,921.08	13,091.28	13,953.40	34,044.78	16,472.46
Other assets.....				2.95	
Total assets.....	34,449.69	33,364.33	37,559.20	91,010.47	47,132.42
Deficit.....					
Total.....	34,449.69	33,364.33	37,559.20	91,010.47	47,132.42
LIABILITIES					
Debenture balance.....	3,021.95				
Accounts payable.....	916.45	191.73	48.56	27.25	78.53
Bank overdraft.....					
Other liabilities.....	115.00	279.00			8.00
Total liabilities.....	4,053.40	470.73	48.56	27.25	86.53
RESERVES					
For equity in H-E.P.C. systems....	5,921.08	13,091.28	13,953.40	34,044.78	16,472.46
For depreciation.....	9,033.01	6,346.50	7,977.51	17,781.45	10,727.97
Other reserves.....		50.00			8.87
Total reserves.....	14,954.09	19,487.78	21,930.91	51,826.23	27,209.30
SURPLUS					
Debentures paid.....	10,478.05	2,823.61	5,955.96	25,800.00	7,000.00
Local sinking fund.....					
Operating surplus.....	4,964.15	10,582.21	9,623.77	13,356.99	12,836.59
Total surplus.....	15,442.20	13,405.82	15,579.73	39,156.99	19,836.59
Total liabilities, reserves and surplus..	34,449.69	33,364.33	37,559.20	91,010.47	47,132.42
Percentage of net debt to total assets..	14.2	2.3	0.2	0.0	0.3

“A”—Continued

Hydro Municipalities as at December 31, 1942

Elmwood P.V.	Flesherton 458	Grand Valley 692	Graven- hurst 2,303	Hanover 3,318	Holstein P.V.	Huntsville 2,909
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	408.78	36.50	10,072.27	3,894.32	.....	353.52
5,194.07	6,017.57	12,359.60	10,936.03	9,271.19	.....	647.30
.....	.....	.....	39,986.66	51,558.35	2,276.12	22,513.99
.....	.....	.....	1,941.77	.....	.....	.....
1,100.67	2,838.59	3,819.98	15,944.39	21,886.66	1,176.04	14,391.34
1,381.54	2,463.21	3,748.90	13,424.87	18,318.96	813.31	14,117.49
372.71	814.94	1,051.12	4,472.25	2,350.30	170.44	7,519.69
.....	.....	.....	.....	.....	.....	.....
1,093.62	1,028.41	284.72	2,578.77	6,563.84	188.31	1,379.80
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	18,130.29	2,370.91	.....	5,156.20
.....	.....	.....	.....	.....	.....	.....
9,142.61	13,571.50	21,300.82	117,487.30	116,214.53	4,624.22	66,079.33
.....	.....	.....	.....	.....	.....	.....
1,147.84	1,357.79	2,455.52	5,390.57	9,252.38	434.09	687.15
3,500.00	7,000.00	6,634.74	1,000.00	37,401.49	3,000.00	8,000.00
271.16	2.40	99.57	99.63	659.39	7.78	1,355.73
.....	.....	.....	1,102.83	111.74	.....	4,119.50
.....	.....	.....	.....	.....	.....	.....
4,549.22	7,224.64	13,235.63	32,285.26	89,442.76	2,945.70	65,212.35
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
18,610.83	29,156.33	43,726.28	157,365.59	253,082.29	11,011.79	145,454.06
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
18,610.83	29,156.33	43,726.28	157,365.59	253,082.29	11,011.79	145,545.06
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	974.32	.....	.....	.....	.....	.....
207.10	30.37	53.95	2,560.54	80.58	2.67	346.92
.....	.....	.....	.....	.....	.....	.....
.....	48.00	.....	927.50	874.12	.....	1,040.61
.....	.....	.....	.....	.....	.....	.....
207.10	1,052.69	53.95	3,488.04	954.70	2.67	1,387.53
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
4,549.22	7,224.64	13,235.63	32,285.26	89,442.76	2,945.70	65,212.35
3,691.90	5,353.18	10,675.09	32,563.67	67,331.80	2,126.15	16,867.11
.....	.....	1,000.00	2,672.91	1,500.00	.....	400.00
.....	.....	.....	.....	.....	.....	.....
8,241.12	12,577.82	24,910.72	67,521.84	158,274.56	5,071.85	82,479.46
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
7,200.00	5,725.68	11,000.00	63,968.41	87,500.00	2,762.05	21,133.54
.....	.....	.....	.....	.....	.....	.....
2,962.61	9,800.14	7,761.61	22,387.30	6,353.03	3,175.22	40,453.53
.....	.....	.....	.....	.....	.....	.....
10,162.61	15,525.82	18,761.61	86,355.71	93,853.03	5,937.27	61,587.07
.....	.....	.....	.....	.....	.....	.....
18,610.83	29,156.33	43,726.28	157,365.59	253,082.29	11,011.79	145,454.06
.....	.....	.....	.....	.....	.....	.....
1.5	4.8	0.2	2.8	0.6	0.0	1.7



## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Kin- cardine 2,254	Kirkfield P.V.	Lucknow 964	Markdale 781	Meaford 2,676
Population.....					
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	6,531.80				1,144.18
Substation equipment.....	2,794.20			780.80	3,849.47
Distribution system—overhead.....	44,287.43	5,179.43	21,066.16	11,462.81	33,575.74
Distribution system—underground.....					
Line transformers.....	13,707.38	757.90	8,367.76	5,750.80	9,679.74
Meters.....	12,863.05	814.97	5,520.12	4,488.44	10,426.85
Street light equipment, regular.....	6,076.00	379.00	1,509.55	1,390.15	3,590.08
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	4,993.88	234.11	2,292.68	629.06	2,385.27
Steam or hydraulic plant.....					
Old plant.....				2,080.65	3,452.38
Total plant.....	91,253.74	7,365.41	38,756.27	26,582.71	68,103.71
Bank and cash balance.....	3,874.03	470.35	3,589.86	3,752.83	458.56
Securities and investments.....	15,000.00	1,200.00	2,000.00	5,655.13	13,000.00
Accounts receivable.....	217.70	29.46	514.97	162.52	86.49
Inventories.....	1,811.12				24.25
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	46,728.60	3,496.91	21,536.33	11,293.30	33,062.29
Other assets.....					11.20
Total assets.....	158,885.19	12,562.13	66,397.43	47,446.49	114,746.50
Deficit.....		1,347.48			
Total.....	158,885.19	13,909.61	66,397.43	47,446.49	114,746.50
<b>LIABILITIES</b>					
Debenture balance.....				1,748.34	4,155.60
Accounts payable.....	185.70	19.42	142.34	653.84	614.20
Bank overdraft.....					
Other liabilities.....	4.00		5.00	67.00	1,264.46
Total liabilities.....	189.70	19.42	147.34	2,469.18	6,034.26
<b>RESERVES</b>					
For equity in H-E.P.C. systems.....	46,728.60	3,496.91	21,536.33	11,293.30	33,062.29
For depreciation.....	36,731.90	4,193.28	11,176.85	9,732.73	18,247.80
Other reserves.....	1,878.44	200.00	1,350.00		44.29
Total reserves.....	85,338.94	7,890.19	34,063.18	21,026.03	51,354.38
<b>SURPLUS</b>					
Debentures paid.....	64,200.00	6,000.00	19,713.16	7,251.66	45,204.60
Local sinking fund.....					
Operating surplus.....	9,156.55		12,473.75	16,699.62	12,153.26
Total surplus.....	73,356.55	6,000.00	32,186.91	23,951.28	57,357.86
Total liabilities, reserves and surplus.....	158,885.19	13,909.61	66,397.43	47,446.49	114,746.50
Percentage of net debt to total assets.....	0.2	0.2	0.3	6.8	7.4

## “A”—Continued

## Hydro Municipalities as at December 31, 1942

Midland 6,475	Mildmay 779	Mount Forest 1,936	Neustadt 414	Orange- ville 2,552	Owen Sound 13,503	Paisley 715
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
19,983.57		3,725.00		2,585.07	28,270.25	
85,315.20		686.75		1,169.00	18,093.04	1,923.46
98,827.54	6,264.62	23,224.98	10,561.42	37,179.23	121,187.93	12,516.87
29,764.36	2,142.31	7,865.96	4,035.81	11,225.87	65,773.39	2,289.25
41,312.86	3,117.17	8,785.87	2,599.45	14,301.20	66,961.42	3,430.20
19,322.71	577.24	2,397.89	496.41	7,532.55	31,097.62	1,045.51
2,931.77	1,020.66	2,004.63	1,504.28	6,458.50	2,083.00	651.65
	849.00	3,810.95	1,097.60	3,204.99	26,982.00	1,745.00
297,458.01	13,971.00	52,502.03	20,294.97	83,656.41	360,448.65	23,601.94
75.00	1,049.25	3,969.87	2,007.60	373.45	120.00	695.96
45,500.00	5,500.00	4,000.00	7,500.00	15,000.00	5,000.00	4,000.00
6,728.90		142.09	64.49	325.59	3,568.50	38.28
2,291.57		64.21		354.68	10,535.37	
238,557.82	3,619.85	35,992.81	6,968.24	48,789.66	231,367.11	12,073.69
387.02				20.87	20.80	
590,998.32	24,140.10	96,671.01	36,835.30	148,520.66	611,060.43	40,409.87
590,998.32	24,140.10	96,671.01	36,835.30	148,520.66	661,060.43	40,409.87
829.17	7,597.19	4,019.04				1,269.10
7,765.63	48.39	1,500.00	32.17	97.80	1,375.55	52.31
1,172.81	23.00	295.00	375.00	53.00	5,195.81	
					7,170.54	58.26
9,767.61	7,668.58	5,814.04	407.17	150.80	13,741.90	1,379.67
238,557.82	3,619.85	35,992.81	6,968.24	48,789.66	231,367.11	12,073.69
204,540.81	2,619.00	24,826.13	10,596.72	34,013.42	102,917.78	6,609.06
1,467.45					411.58	
444,566.08	6,238.85	60,818.94	17,564.96	82,803.08	334,696.47	18,682.75
111,944.99	4,706.31	26,939.56	17,000.00	35,900.00	141,000.00	14,730.90
24,719.64	5,526.36	3,098.47	1,863.17	29,666.78	121,622.06	5,616.55
136,664.63	10,232.67	30,038.03	18,863.17	65,566.78	262,622.06	20,347.45
590,998.32	24,140.10	96,671.01	36,835.30	148,520.66	611,060.43	40,409.87
2.8	37.4	9.6	1.4	0.2	3.6	4.9

## STATEMENT

## Balance Sheets of Electrical Departments of

GEORGIAN BAY  
SYSTEMS—Continued

Municipality.....	Penetan- guishene 4,037	Port Elgin 2,061	Port McNicoll 964	Port Perry 1,230	Priceville P.V.
Population.....					
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	2,288.05	111.25	369.08		68.00
Substation equipment.....	7,161.13			2,564.65	
Distribution system—overhead.....	52,453.49	27,375.68	9,801.06	20,012.33	5,476.21
Distribution system—underground.....					
Line transformers.....	21,928.27	7,458.92	1,500.23	5,291.65	929.92
Meters.....	16,130.60	8,056.80	3,065.60	5,009.35	562.08
Street light equipment, regular.....	3,942.13	2,270.59	696.26	1,816.38	256.88
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	1,886.86	558.64	750.69	235.46	833.90
Steam or hydraulic plant.....					
Old plant.....		4,213.00			
Total plant.....	105,790.53	50,044.88	16,182.92	34,929.82	8,126.99
Bank and cash balance.....	2,997.72	2,103.63	1,301.13	409.77	600.97
Securities and investments.....	5,718.96	8,000.00	1,000.00	7,000.00	1,000.00
Accounts receivable.....	1,646.57	467.97	104.82	122.65	277.17
Inventories.....	104.40				
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	69,047.00	13,005.23	6,912.07	19,275.75	1,047.73
Other assets.....					
Total assets.....	185,305.18	73,621.71	25,500.94	61,737.99	11,052.86
Deficit.....					457.53
Total.....	185,305.18	73,621.71	25,500.94	61,737.99	11,510.39
LIABILITIES					
Debenture balance.....		21,782.00		5,856.13	
Accounts payable.....	187.01	3,455.70		134.03	
Bank overdraft.....					
Other liabilities.....	806.25	25.00	163.40	632.00	
Total liabilities.....	993.26	25,262.70	163.40	6,622.16	
RESERVES					
For equity in H-E.P.C. systems.....	69,047.00	13,005.23	6,912.07	19,275.75	1,047.73
For depreciation.....	49,167.06	9,824.74	5,700.56	13,041.83	3,462.66
Other reserves.....	2,318.80				
Total reserves.....	120,532.86	22,829.97	12,612.63	32,317.58	4,510.39
SURPLUS					
Debentures paid.....	36,982.95	20,218.00	7,300.00	14,025.53	7,000.00
Local sinking fund.....					
Operating surplus.....	26,796.11	5,311.04	5,424.91	8,772.72	
Total surplus.....	63,779.06	25,529.04	12,724.91	22,798.25	7,000.00
Total liabilities, reserves and surplus.....	185,305.18	73,621.71	25,500.94	61,737.99	11,510.39
Percentage of net debt to total assets.....	0.9	42.6	0.9	15.6	0.0



## "A"—Continued

## Hydro Municipalities as at December 31, 1942

Ripley 402	Rosseau 233	Shelburne 1,050	South- ampton 1,561	Stayner 1,150	Sunderland P.V.	Tara 490
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
10,229.37	7,857.44	15,434.65	27,685.64	16,809.99	4,525.87	11,420.91
3,888.79	2,314.23	7,771.53	10,329.97	6,966.61	1,772.83	3,358.91
2,202.26	1,327.86	6,990.99	10,455.08	7,279.54	2,316.96	2,131.74
844.33	623.60	1,104.49	2,558.48	1,095.02	670.57	2,721.65
1,184.71	1,174.82	2,203.12	637.77	345.03	159.02	1,398.75
		739.50	2,477.00		2,030.00	
18,349.46	13,297.95	35,610.88	54,168.94	32,696.19	11,475.25	21,031.96
1,297.68	1,325.46	1,806.63	543.67	2,064.63	1,036.02	622.78
2,000.00	1,000.00	9,000.00	1,000.00	3,000.00	1,500.00	6,500.00
113.60	227.91	132.74	186.78	61.61	127.13	57.72
8,536.57	3,837.96	20,952.35	11,427.58	18,233.47	11,118.81	9,261.37
			2.21			
30,297.31	19,689.28	67,577.60	67,329.18	56,055.90	25,257.21	37,473.83
	52.31					
30,297.31	19,741.59	67,577.60	67,329.18	56,055.90	25,257.21	37,473.83
5,738.92	8,938.98		9,903.41			
.14	49.66	82.96	1,703.12	1,035.14	388.64	1.15
334.83	30.00	118.45	8.22	359.00	25.00	
6,073.89	9,018.64	201.41	11,614.75	1,394.14	413.64	1.15
8,536.57	3,837.96	20,952.35	11,427.58	18,233.47	11,118.81	9,261.37
7,243.72	2,755.23	18,011.50	8,781.60	15,368.04	5,989.02	10,166.00
	68.74			50.00	39.64	
15,780.29	6,661.93	38,963.85	20,209.18	33,651.51	17,147.47	19,427.37
8,233.02	4,061.02	19,920.00	23,096.52	9,867.59	6,800.00	15,500.00
210.11		8,492.34	12,408.73	11,142.66	896.10	2,545.31
8,443.13	4,061.02	28,412.34	35,505.25	21,010.25	7,696.10	18,045.31
30,297.31	19,741.59	67,577.60	67,329.18	56,055.90	25,257.21	37,473.83
27.9	56.9	0.4	20.8	3.7	2.9	0.0

## STATEMENT

## Balance Sheets of Electrical Departments of

**GEORGIAN BAY  
SYSTEM—Concluded**

Municipality.....	Teeswater	Thornton	Totten- ham	Uxbridge	Victoria Harbour
Population.....	843	P.V.	476	1,366	991
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....				40.00	
Substation equipment.....	330.31		358.50	2,657.65	
Distribution system—overhead.....	17,809.44	6,805.06	9,127.77	15,597.48	10,716.79
Distribution system—underground.....					
Line transformers.....	6,290.35	1,764.80	1,697.12	5,215.59	2,333.76
Meters.....	3,870.90	1,009.17	2,658.64	5,905.25	3,966.97
Street light equipment, regular.....	1,495.82	433.25	496.86	1,505.99	366.32
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	1,820.57	300.35	1,322.52	1,088.82	738.40
Steam or hydraulic plant.....					
Old plant.....	4,976.86		286.45		
Total plant.....	36,594.25	10,312.63	15,947.86	32,010.78	18,122.24
Bank and cash balance.....	881.11	1,405.12	745.56	2,830.51	1,389.67
Securities and investments.....	5,500.00	1,000.00	250.00	1,000.00	1,800.00
Accounts receivable.....	58.80	11.98	98.13	105.27	129.08
Inventories.....				41.07	
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	13,443.32	3,669.38	11,622.15	20,639.17	7,104.90
Other assets.....					
Total assets.....	56,477.48	16,399.11	28,663.70	56,626.80	28,545.89
Deficit.....		752.83	4,241.30		
Total.....	56,477.48	17,151.94	32,905.00	56,626.80	28,545.89
LIABILITIES					
Debenture balance.....			3,117.31		
Accounts payable.....	1.36	29.79		67.61	45.83
Bank overdraft.....					
Other liabilities.....	67.20	5.00	249.00	435.00	
Total liabilities.....	68.56	34.79	3,366.31	502.61	45.83
RESERVES					
For equity in H-E.P.C. systems.....	13,443.32	3,669.38	11,622.15	20,639.17	7,104.90
For depreciation.....	11,233.36	5,947.77	8,066.75	9,303.48	7,399.86
Other reserves.....	1,000.00			1,186.77	
Total reserves.....	25,676.68	9,617.15	19,688.90	31,129.42	14,504.76
SURPLUS					
Debentures paid.....	28,000.00	7,500.00	9,849.79	16,207.59	6,500.00
Local sinking fund.....					
Operating surplus.....	2,732.24			8,787.18	7,495.30
Total surplus.....	30,732.24	7,500.00	9,849.79	24,994.77	13,995.30
Total liabilities, reserves and surplus.....	56,477.48	17,151.94	32,905.00	56,626.80	28,545.89
Percentage of net debt to total assets.....	0.2	0.3	19.8	1.4	0.2

## “A”—Continued

## Hydro Municipalities as at December 31, 1942

Walkerton 2,617	Waubau- shene P.V.	Warton 1,704	Winder- mere 118	Wingham 2,061	Woodville 427	GEORGIAN BAY SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	.....	200.00	.....	21,513.45	.....	142,446.84
.....	.....	333.57	.....	4,863.91	.....	197,605.65
42,161.75	9,937.02	21,927.58	9,829.60	40,549.75	3,539.72	1,307,550.57
.....	.....	.....	.....	.....	.....	68,379.44
14,956.71	2,819.84	5,967.61	3,492.70	18,881.24	2,167.24	506,976.34
12,950.37	3,187.66	7,306.22	1,235.36	16,553.13	2,203.79	506,313.48
2,771.24	303.35	2,914.96	247.26	11,276.86	521.83	164,676.84
.....	.....	.....	.....	.....	.....	.....
2,622.49	295.47	5,611.43	525.65	4,654.33	268.71	95,816.59
.....	.....	.....	.....	14,711.99	.....	41,693.99
4,897.60	.....	2,001.79	.....	12,320.02	2,182.50	96,428.98
.....	.....	.....	.....	.....	.....	.....
80,360.16	16,543.34	46,263.16	15,330.57	145,324.68	10,883.79	3,127,888.72
.....	.....	.....	.....	.....	.....	.....
7,901.31	.....	4,584.63	1,300.47	30.00	65.38	107,385.89
3,500.00	.....	16,500.00	2,000.00	.....	5,000.00	366,860.32
538.56	120.68	310.57	157.22	1,812.65	1,011.10	28,716.59
1,242.36	.....	.....	.....	4,350.83	.....	31,960.96
.....	.....	.....	.....	.....	.....	.....
20,966.20	4,863.52	15,552.74	2,655.12	40,372.93	10,859.35	1,847,051.18
6.86	.....	2.07	.....	.....	.....	13,177.91
.....	.....	.....	.....	.....	.....	.....
114,515.45	21,527.54	83,213.17	21,443.38	191,891.09	27,819.62	5,523,041.57
.....	.....	.....	.....	.....	.....	19,671.52
.....	.....	.....	.....	.....	.....	.....
114,515.45	21,527.54	83,213.17	21,443.38	191,891.09	27,819.62	5,542,713.09
.....	.....	.....	.....	.....	.....	.....
35,932.05	.....	23,173.55	7,271.94	20,589.24	506.78	208,329.06
.....	338.64	3,108.89	23.83	39.24	377.22	31,094.69
.....	75.09	.....	.....	1,172.77	.....	14,698.10
220.00	.....	194.02	.....	713.55	2.00	27,886.58
.....	.....	.....	.....	.....	.....	.....
36,152.05	413.73	26,476.46	7,295.77	22,514.80	886.00	282,008.43
.....	.....	.....	.....	.....	.....	.....
20,966.20	4,863.52	15,552.74	2,655.12	40,372.93	10,859.35	1,847,051.18
13,584.26	3,557.68	8,129.98	3,648.27	37,899.03	3,359.16	1,241,148.45
75.63	125.00	1,716.66	.....	.....	1,000.00	25,419.66
.....	.....	.....	.....	.....	.....	.....
34,626.09	8,546.20	25,399.38	6,303.39	78,271.96	15,218.51	3,113,619.29
.....	.....	.....	.....	.....	.....	.....
27,067.95	3,500.00	14,226.45	4,491.36	75,516.26	4,993.22	1,355,922.54
.....	.....	.....	.....	.....	.....	.....
16,669.36	9,067.61	17,110.88	3,352.86	15,588.07	6,721.89	791,162.83
.....	.....	.....	.....	.....	.....	.....
43,737.31	12,567.61	31,337.33	7,844.22	91,104.33	11,715.11	2,147,085.37
.....	.....	.....	.....	.....	.....	.....
114,515.45	21,527.54	83,213.17	21,443.38	191,891.09	27,819.62	5,542,713.09
.....	.....	.....	.....	.....	.....	.....
38.6	2.5	39.1	38.7	14.9	5.2	7.7



## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM

Municipality.....	Alexandria	Apple Hill	Arnprior	Athens	Bath
Population.....	1,952	P.V.	3,949	676	352
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	202.00	169.06			
Substation equipment.....					
Distribution system—overhead....	28,122.83	3,009.09	27,558.70	14,364.26	6,497.56
Distribution system—underground..					
Line transformers.....	9,263.52	1,421.37	10,834.10	2,401.06	1,481.15
Meters.....	7,820.23	1,287.17	14,140.00	3,338.46	962.26
Street light equipment, regular....	2,233.59	421.12	6,115.00	698.90	554.37
Street light equipment, ornamental..					
Miscellaneous construction expense.	5,589.89	241.73	344.34	1,121.05	727.38
Steam or hydraulic plant.....					
Old plant.....	4,466.89	709.55			
Total plant.....	57,698.95	7,259.09	58,992.14	21,923.73	10,222.72
Bank and cash balance.....	1,698.65	1,331.26	4,028.06	235.02	271.03
Securities and investments.....	21,000.00	2,500.00	14,000.00	5,000.00	
Accounts receivable.....	6,531.24		389.01	1,468.68	18.74
Inventories.....			819.95		
Sinking fund on local debentures....					
Equity in H-E.P.C. systems.....	32,663.01	3,579.08	5,467.03	6,823.69	2,267.80
Other assets.....					
Total assets.....	119,591.85	14,669.43	83,696.19	35,451.12	12,780.29
Deficit.....					
Total.....	119,591.85	14,669.43	83,696.19	35,451.12	12,780.29
<b>LIABILITIES</b>					
Debenture balance.....		82.29	31,306.21	5,852.27	4,730.59
Accounts payable.....	7.49	164.40	4,040.16	409.94	
Bank overdraft.....					
Other liabilities.....	691.71		1,973.09		100.00
Total liabilities.....	699.20	246.69	37,319.46	6,262.21	4,830.59
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	32,663.01	3,579.08	5,467.03	6,823.69	2,267.80
For depreciation.....	24,316.05	3,060.76	4,384.97	6,187.49	2,265.67
Other reserves.....	1,856.25	35.44	5,000.00	206.06	
Total reserves.....	58,835.31	6,675.28	14,852.00	13,217.24	4,533.47
<b>SURPLUS</b>					
Debentures paid.....	48,133.84	5,917.71	24,162.92	8,147.73	2,769.41
Local sinking fund.....					
Operating surplus.....	11,923.50	1,829.75	7,361.81	7,823.94	646.82
Total surplus.....	60,057.34	7,747.46	31,524.73	15,971.67	3,416.23
Total liabilities, reserves and surplus.	119,591.85	14,669.43	83,696.19	35,451.12	12,780.29
Percentage of net debt to total assets.	0.8	2.2	47.7	21.8	46.0

“A”—Continued

Hydro Municipalities as at December 31, 1942

Belleville 15,001	Bloomfield 612	Bowman- ville 3,725	Brighton 1,465	Brockville 10,463	Cardinal 1,642	Carleton Place 4,258
\$ c. 42,222.90 89,265.84 133,420.43	\$ c. 410.00 11,075.50	\$ c. 30,424.69 894.47 50,100.59	c. 600.00 17,014.03	\$ c. 45,295.14 39,212.30 101,282.86	\$ c. 4,132.27 3,783.93 491.85	\$ c. 13,390.32 2,471.63 46,688.51
43,680.13 70,014.67 23,735.75	2,251.13 3,277.85 1,040.99	12,123.53 21,341.45 8,172.97	6,835.54 8,334.63 1,305.85	52,199.86 53,853.15 27,317.10	4,132.27 3,783.93 491.85	14,307.32 19,638.91 6,691.85
13,244.16	1,403.42	4,335.47	547.31	1,384.36	644.25	4,656.58
				51,787.62	3,474.80	5,289.19
415,583.88	19,458.89	127,393.17	34,637.36	372,332.39	26,738.80	113,134.31
11,301.03 15,000.00 16,683.23 12,316.59	2,452.95 4,480.00 217.44	14,724.12 20,000.00 2,745.97 5,934.33	3,012.91 4,000.00 4,317.94 5,789.80	13,633.77 103,000.00 2,535.09 5,630.75	881.77 4,000.00 233.65	5,381.63 31,000.00 793.63 1,751.71
186,664.21	6,762.64	66,290.84 41.50	12,376.19 142.54	185,694.71 318.63	6,154.50	84,918.01
657,548.94	33,371.92	237,129.93	64,276.74	683,145.34	38,008.72	236,979.29
657,548.94	33,371.92	237,129.93	64,276.74	683,145.34	38,008.72	236,979.29
	2,857.92 487.74		8,392.37 51.76		7,179.39 112.44	14,289.55 2,282.50
11,190.51	142.00	1,684.66	489.06	1,142.40	5.00	1,662.40
11,190.51	3,487.66	2,022.89	8,933.19	13,977.88	7,296.83	18,234.45
186,664.21 61,795.86 10,716.06	6,762.64 7,649.47	66,290.84 20,370.46 5,500.00	12,376.19 5,516.25 2,362.39	185,694.71 150,668.71 14,358.76	6,154.50 3,769.01 76.36	84,918.01 22,275.65 869.25
259,176.13	14,412.11	92,161.30	20,254.83	350,722.18	9,999.87	108,062.91
176,000.00	8,342.08	71,000.00	16,607.63	226,657.54	7,820.61	51,710.45
211,182.30	7,130.07	71,945.74	18,481.09	91,787.74	12,891.41	58,971.48
387,182.30	15,472.15	142,945.74	35,088.72	318,445.28	20,712.02	110,681.93
657,548.94	33,371.92	237,129.93	64,276.74	683,145.34	38,008.72	236,979.29
2.6	13.1	1.2	17.2	2.8	22.3	12.0

## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Chester- ville 1,073	Cobden 659	Cobourg 5,383	Colborne 952	Deseronto 1,002
Population.....					
<b>ASSETS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Lands and buildings.....	335.00		31,331.24		597.41
Substation equipment.....			1,668.35		161.18
Distribution system—overhead....	10,641.61	4,473.08	82,736.11	11,053.54	11,007.51
Distribution system—underground.					
Line transformers.....	4,298.04	1,146.09	26,713.05	1,397.11	1,753.21
Meters.....	5,196.30	1,209.52	32,125.75	3,054.80	5,036.39
Street light equipment, regular....	593.64	444.46	14,002.78	1,479.27	432.60
Street light equipment, ornamental					
Miscellaneous construction expense.	792.34	45.86	3,635.72	2,385.08	405.03
Steam or hydraulic plant.....					
Old plant.....		2,853.85			
Total plant.....	21,856.93	10,172.86	192,213.00	19,369.80	19,393.33
Bank and cash balance.....	1,706.70	758.47	10,138.39	1,838.73	1,919.16
Securities and investments.....	11,000.00	3,500.00	17,000.00	4,500.00	
Accounts receivable.....	1,461.75	26.48	3,928.48	118.40	2,139.98
Inventories.....	737.24		3,875.82	1,280.03	484.56
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	28,923.45	1,539.65	50,153.20	4,501.61	7,736.80
Other assets.....	1.53			450.91	37.06
Total assets.....	65,687.60	15,997.46	277,308.89	32,059.48	31,710.89
Deficit.....					
Total.....	65,687.60	15,997.46	277,308.89	32,059.48	31,710.89
<b>LIABILITIES</b>					
Debenture balance.....		3,529.58	62,807.48	7,916.57	
Accounts payable.....	811.22	20.90	5,952.91	547.20	66.33
Bank overdraft.....					
Other liabilities.....	85.00	167.50	4,835.58	244.00	318.92
Total liabilities.....	896.22	3,717.98	73,595.97	8,707.77	385.25
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	28,923.45	1,539.65	50,153.20	4,501.61	7,736.80
For depreciation.....	9,014.07	885.21	35,734.92	3,288.13	4,674.65
Other reserves.....					
Total reserves.....	37,937.52	2,424.86	85,888.12	7,789.74	12,411.45
<b>SURPLUS</b>					
Debentures paid.....	6,500.00	4,273.69	43,186.02	4,278.02	15,000.00
Local sinking fund.....					
Operating surplus.....	20,353.86	5,580.93	74,638.78	11,283.95	3,914.19
Total surplus.....	26,853.86	9,854.62	117,824.80	15,561.97	18,914.19
Total liabilities, reserves and surplus..	65,687.60	15,997.46	277,308.89	32,059.48	31,710.89
Percentage of net debt to total assets..	2.4	25.9	32.4	31.6	1.6



## “A”—Continued

## Hydro Municipalities as at December 31, 1942

Finch 393	Hastings 763	Havelock 907	Iroquois 1,104	Kemptville 1,159	Kingston 28,345
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	.....	572.90	100.00	3,619.13	237,390.86
8,152.67	17,248.78	20,064.33	4,774.56	20,943.26	241,486.46
.....	.....	.....	.....	.....	232,862.91
2,486.47	3,383.07	2,961.87	3,397.83	6,702.41	195,460.34
2,137.30	3,838.79	5,914.66	4,402.89	7,832.21	89,708.83
504.07	1,283.74	1,883.33	243.00	1,090.07	139,849.04
.....	.....	.....	.....	.....	77,335.70
54.82	721.62	4,411.46	445.44	5,661.10	45,420.55
.....	1,733.13	2,420.45	575.00	.....	17,665.40
13,335.33	28,209.13	38,229.00	13,938.72	45,848.18	1,277,180.09
1,231.24	796.53	1,203.15	1,751.61	1,598.24	658.06
3,500.00	6,000.00	17,000.00	3,500.00	23,500.00	301,175.00
728.81	93.69	99.54	256.86	1,712.68	34,854.13
.....	.....	.....	84.93	685.42	19,798.79
4,762.44	4,051.44	13,027.82	813.57	22,212.80	86,021.34
.....	.....	.....	.....	.....	4,453.93
23,557.82	39,150.79	69,559.51	20,345.69	95,557.32	1,724,141.34
.....	.....	.....	.....	.....	.....
23,557.82	39,150.79	69,559.51	20,345.69	95,557.32	1,724,141.34
2,580.75	12,216.85	.....	.....	11,278.41	18,974.00
1,713.52	0.53	0.27	1.32	228.32	111.00
.....	.....	.....	.....	.....	14,386.72
46.00	274.00	.....	152.54	150.00	66,491.19
4,340.27	12,491.38	0.27	153.86	11,656.73	99,962.91
4,762.44	4,051.44	13,027.82	813.57	22,212.80	86,021.34
2,761.15	5,539.94	.....	643.40	15,612.95	333,677.03
10.59	.....	13,871.40	2,000.00	.....	204,244.32
7,534.18	9,591.38	26,899.22	3,456.97	37,825.75	623,942.69
4,419.25	8,783.15	32,900.00	.....	13,721.59	292,926.00
7,264.12	8,284.88	9,760.02	16,734.86	32,353.25	707,309.74
11,683.37	17,068.03	42,660.02	16,734.86	46,074.84	1,000,235.74
23,557.82	39,150.79	69,559.51	20,345.69	95,557.32	1,724,141.34
23.1	35.6	0.0	0.8	15.9	6.1

## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Lakefield	Lanark	Lancaster	Lindsay	Madoc
Population.....	1,267	660	582	7,773	1,130
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....	3,137.97			10,777.68	100.00
Substation equipment.....				3,176.56	
Distribution system—overhead.....	23,372.16	6,941.61	8,789.65	103,593.90	11,909.84
Distribution system—underground.....					
Line transformers.....	6,992.86	1,953.69	1,922.25	29,885.15	3,496.56
Meters.....	7,526.98	2,351.23	1,943.35	35,554.95	5,417.90
Street light equipment, regular.....	1,896.05	747.54	650.65	10,504.73	1,577.14
Street light equipment, ornamental.....					
Miscellaneous construction expense.....	3,896.24		1,068.55	2,358.96	76.21
Steam or hydraulic plant.....					
Old plant.....	3,445.25				
Total plant.....	50,267.51	11,994.07	14,374.45	195,851.93	22,577.65
Bank and cash balance.....	2,725.25	1,617.78	377.83	4,686.93	2,234.36
Securities and investments.....	8,000.00	5,693.17	500.00	55,000.00	7,000.00
Accounts receivable.....	104.64	14.43	51.04	196.64	81.16
Inventories.....				451.42	
Sinking fund on local debentures.....					
Equity in H-E.P.C. systems.....	14,189.55	6,691.96	6,600.36	103,938.58	8,559.45
Other assets.....					
Total assets.....	75,286.95	26,011.41	21,903.68	360,125.50	40,452.62
Deficit.....					
Total.....	75,286.95	26,011.41	21,903.68	360,125.50	40,452.62
LIABILITIES					
Debenture balance.....	15,619.83			52,947.30	
Accounts payable.....		9.31	248.20		4.10
Bank overdraft.....					
Other liabilities.....	682.80	90.00	178.36	3,335.63	433.00
Total liabilities.....	16,302.63	99.31	426.56	56,282.93	437.10
RESERVES					
For equity in H-E.P.C. systems.....	14,189.55	6,691.96	6,600.36	103,938.58	8,559.45
For depreciation.....	16,023.26	4,581.69	2,792.47	51,727.21	1,830.40
Other reserves.....					
Total reserves.....	30,212.81	11,273.65	9,392.83	155,665.79	10,389.85
SURPLUS					
Debentures paid.....	17,880.17	7,316.57	9,970.42	77,052.70	14,000.00
Local sinking fund.....					
Operating surplus.....	10,891.34	7,321.88	2,113.87	71,124.08	15,625.67
Total surplus.....	28,771.51	14,638.45	12,084.29	148,176.78	29,625.67
Total liabilities, reserves and surplus.....	75,286.95	26,011.41	21,903.68	360,125.50	40,452.62
Percentage of net debt to total assets.....	26.6	0.5	2.8	21.9	1.4

“A”—Continued

Hydro Municipalities as at December 31, 1942

Marmora 983	Martin- town P.V.	Maxville 811	Millbrook 763	Morris- burg 1,518	Napanee 3,277	Newcastle 686
\$ c.	\$ c. 126.15	\$ c.	\$ c.	\$ c. 5,000.00	\$ c. 15,315.23	\$ c. 107.37
.....	.....	407.79	.....	4,457.21	2,358.27	.....
13,986.74	2,840.45	12,008.56	6,168.22	11,978.13	47,795.94	14,925.39
.....	.....	.....	.....	.....	.....	.....
3,808.11	759.39	2,391.79	758.45	5,541.80	11,717.88	4,095.74
4,042.21	1,099.07	2,975.36	1,908.76	7,254.35	18,730.29	3,940.42
1,193.23	354.94	1,950.24	595.65	795.00	4,679.85	876.40
.....	.....	.....	.....	.....	.....	.....
2,160.30	690.21	2,448.14	79.92	313.94	4,309.52	847.65
.....	.....	.....	.....	.....	.....	.....
573.62	.....	.....	.....	27,733.82	.....	.....
.....	.....	.....	.....	.....	.....	.....
25,764.21	5,870.21	22,181.88	9,511.00	63,074.25	104,906.98	24,792.97
.....	.....	.....	.....	.....	.....	.....
2,753.14	495.92	697.29	2,835.51	3,215.55	100.00	1,447.64
3,000.00	2,500.00	6,200.00	1,000.00	6,500.00	.....	1,500.00
184.04	213.38	107.91	23.76	664.57	7,531.82	256.18
95.00	.....	.....	.....	.....	7,945.63	.....
.....	.....	.....	.....	.....	.....	.....
6,107.44	2,253.70	10,301.76	703.84	1,634.30	45,073.83	1,997.77
.....	.....	.....	.....	.....	15.72	.....
.....	.....	.....	.....	.....	.....	.....
37,903.83	11,333.21	39,488.84	14,074.11	75,088.67	165,573.98	29,994.56
.....	.....	.....	.....	.....	.....	.....
37,903.83	11,333.21	39,488.84	14,074.11	75,088.67	165,573.98	29,994.56
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	5,408.74	17,236.40	.....	.....
.....	.....	.....	.....	108.04	.....	.....
.....	.....	.....	.....	.....	5,142.43	.....
245.00	5.00	150.00	249.82	1,049.42	977.99	.....
.....	.....	.....	.....	.....	.....	.....
245.00	5.00	150.30	5,658.56	18,393.86	6,120.42	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
6,107.44	2,253.70	10,301.76	703.84	1,634.30	45,073.83	1,997.77
5,976.33	2,438.81	7,975.41	763.67	2,924.00	15,163.88	10,637.25
.....	81.02	370.26	.....	31,296.54	.....	.....
.....	.....	.....	.....	.....	.....	.....
12,083.77	4,773.53	18,647.43	1,467.51	35,854.84	60,237.71	12,635.02
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
17,666.11	6,000.00	16,000.00	3,591.26	17,336.88	70,000.00	14,000.00
.....	.....	.....	.....	.....	.....	.....
7,908.95	554.68	4,691.11	3,356.78	3,503.09	29,215.85	3,359.54
.....	.....	.....	.....	.....	.....	.....
25,575.06	6,554.68	20,691.11	6,948.04	20,839.97	99,215.85	17,359.54
.....	.....	.....	.....	.....	.....	.....
37,903.83	11,333.21	39,488.84	14,074.11	75,088.67	165,573.98	29,994.56
.....	.....	.....	.....	.....	.....	.....
0.8	0.1	0.5	42.3	25.0	5.0	0.0



## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Norwood	Omemeë	Orono	Oshawa
Population.....	710	641	P.V.	26,428
ASSETS	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....				62,098.55
Substation equipment.....	457.53	360.32		8,449.47
Distribution system—overhead.....	23,684.31	14,018.53	5,152.00	271,979.42
Distribution system—underground.....				
Line transformers.....	4,035.13	6,997.78	1,026.77	76,074.87
Meters.....	5,403.33	3,766.55	1,872.12	129,519.53
Street light equipment, regular.....	1,886.92	805.48	602.99	18,403.58
Street light equipment, ornamental.....				
Miscellaneous construction expense.....	3,728.63	1,672.75	295.97	54,057.42
Steam or hydraulic plant.....				
Old plant.....	2,447.51			6,431.65
Total plant.....	41,643.36	27,621.41	8,949.85	627,014.49
Bank and cash balance.....	2,342.42	30.67	2,497.12	26,070.16
Securities and investments.....	15,500.00	6,000.00	1,500.00	15,000.00
Accounts receivable.....	866.62	32.06	18.24	63,029.30
Inventories.....				21,648.30
Sinking fund on local debentures.....				
Equity in H-E.P.C. systems.....	6,475.64	878.83	784.98	574,023.06
Other assets.....				
Total assets.....	66,828.04	34,562.97	13,750.19	1,326,785.31
Deficit.....				
Total.....	66,828.04	34,562.97	13,750.19	1,326,785.31
LIABILITIES				
Debenture balance.....	15,271.07		3,671.84	72,000.00
Accounts payable.....	.96	1,300.00	164.85	47,255.22
Bank overdraft.....				
Other liabilities.....	477.98	197.32		26,422.00
Total liabilities.....	15,750.01	1,497.32	3,836.69	145,677.22
RESERVES				
For equity in H-E.P.C. systems.....	6,475.64	878.83	784.98	574,023.06
For depreciation.....	17,262.54	11,936.69	500.00	109,068.09
Other reserves.....			1,768.09	54,144.38
Total reserves.....	23,738.18	12,815.52	3,053.07	737,235.53
SURPLUS				
Debentures paid.....	21,828.93	12,000.00	4,328.16	238,000.00
Local sinking fund.....				
Operating surplus.....	5,510.92	8,250.13	2,532.27	205,872.56
Total surplus.....	27,339.85	20,250.13	6,860.43	443,872.56
Total liabilities, reserves and surplus.....	66,828.04	34,562.97	13,750.19	1,326,785.31
Percentage of net debt to total assets.....	26.1	4.4	29.9	19.3

“A”—Continued

Hydro Municipalities as at December 31, 1942

Ottawa	Perth	Peter- borough	Picton	Port Hope	Prescott	Richmond
154,585	4,286	25,529	3,570	4,962	3,120	421
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
486,148.17	5,109.34	80,537.86	10,896.49	11,691.21	2,761.54	.....
870,159.39	6,961.44	124,548.59	2,004.66	3,100.00	.....	.....
906,260.89	49,661.33	331,587.13	41,986.40	56,584.59	42,426.99	6,748.25
320,037.05	.....	.....	.....	.....	.....	.....
404,763.60	26,660.86	136,287.31	13,890.62	19,866.33	17,659.66	1,445.78
310,144.37	25,222.60	126,521.24	19,865.87	27,641.96	20,884.54	1,497.63
124,662.85	4,738.61	60,920.06	10,557.74	3,608.73	2,302.03	194.48
.....	.....	.....	.....	.....	.....	.....
43,850.80	4,520.16	81,277.97	3,993.78	5,013.69	816.15	615.66
.....	.....	.....	.....	.....	.....	.....
.....	23,354.70	29,771.74	.....	.....	.....	.....
3,466,027.12	146,229.04	971,451.90	103,195.56	127,506.51	86,850.91	10,501.80
.....	.....	.....	.....	.....	.....	.....
305,861.04	15,003.88	26,009.49	6,409.08	2,831.33	2,954.19	1,322.64
540,000.00	79,500.00	40,000.00	25,500.00	11,000.00	3,300.00	.....
84,700.83	2,250.61	29,904.66	1,345.84	544.91	1,143.89	156.02
57,088.46	11,844.80	21,325.50	6,035.32	2,181.34	677.78	.....
382,642.39	.....	423,593.28	.....	.....	.....	.....
204,291.77	74,690.36	336,149.35	57,397.52	62,062.92	52,284.13	3,190.85
.....	7.11	.....	.....	.....	989.29	.....
5,040,611.61	329,525.80	1,848,434.18	199,883.32	206,127.01	148,200.19	15,171.31
.....	.....	.....	.....	.....	.....	.....
5,040,611.61	329,525.80	1,848,434.18	199,883.32	206,127.01	148,200.19	15,171.31
.....	.....	.....	.....	.....	.....	.....
345,216.19	33,368.35	523,920.00	.....	.....	.....	2,786.83
71,139.30	6,677.08	27,853.39	.....	.....	384.79	.....
.....	.....	.....	.....	.....	.....	.....
.....	2,934.07	390.00	4,023.42	5,957.21	429.53	81.87
416,355.49	42,979.50	552,163.39	4,023.42	5,958.07	814.32	2,868.70
.....	.....	.....	.....	.....	.....	.....
204,291.77	74,690.36	336,149.35	57,397.52	62,062.92	52,284.13	3,190.85
1,594,373.98	68,572.47	182,280.50	21,924.63	25,838.89	53,248.19	2,734.59
422,705.42	2,822.48	1,204.83	5,968.91	.....	.....	52.84
2,221,371.17	146,085.31	519,634.68	85,291.06	87,901.81	105,532.32	5,978.28
.....	.....	.....	.....	.....	.....	.....
634,783.81	75,031.65	54,000.00	5,730.32	79,000.00	12,170.99	3,713.17
382,642.39	.....	423,593.28	.....	.....	.....	.....
1,385,458.75	65,429.34	299,042.83	104,838.52	33,267.13	29,682.56	2,611.16
2,402,884.95	140,460.99	776,636.11	110,568.84	112,267.13	41,853.55	6,324.33
5,040,611.61	329,525.80	1,848,434.18	199,883.32	206,127.01	148,200.19	15,171.31
1.6	17.0	11.8	2.8	4.1	0.8	24.0

## STATEMENT

## Balance Sheets of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Concluded

Municipality.....	Russell	Smiths Falls	Stirling	Trenton	Tweed
Population.....	P.V.	7,418	922	7,636	1,242
<b>ASSETS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Lands and buildings.....		9,627.06	8,522.88	5,139.41	
Substation equipment.....		4,765.59	7,964.55	41,633.02	
Distribution system—overhead....	8,215.46	95,310.96	7,057.31	119,062.55	15,644.94
Distribution system—underground..					
Line transformers.....	1,790.50	38,993.90	4,854.60	26,984.61	4,514.37
Meters.....	1,854.97	38,377.66	5,327.42	39,550.51	5,879.81
Street light equipment, regular....	589.70	9,539.26	3,203.33	18,367.93	2,292.51
Street light equipment, ornamental					
Miscellaneous construction expense.	1,244.93	5,848.37	572.53	8,237.20	
Steam or hydraulic plant.....					
Old plant.....					
Total plant.....	13,695.56	202,462.80	37,502.62	258,975.23	28,331.63
Bank and cash balance.....	1,448.52	6,429.61	10,287.03	11,472.71	1,203.06
Securities and investments.....	5,000.00	80,960.00	4,485.43	20,000.00	6,500.00
Accounts receivable.....	280.83	901.27	667.56	381.35	355.80
Inventories.....			733.90	3,581.15	430.49
Sinking fund on local debentures..					
Equity in H-E.P.C. systems.....	6,028.37	108,490.61	9,453.44	85,692.91	10,517.92
Other assets.....				3.84	
Total assets.....	26,453.28	399,244.29	63,129.98	380,107.19	47,338.90
Deficit.....					
Total.....	26,453.28	399,244.29	63,129.98	380,107.19	47,338.90
<b>LIABILITIES</b>					
Debenture balance.....	2,257.62			17,060.11	3,542.19
Accounts payable.....	97.75	391.64		276.16	
Bank overdraft.....					
Other liabilities.....	30.00	323.30	388.73	6,580.50	308.19
Total liabilities.....	2,385.37	714.94	388.73	23,916.77	3,850.38
<b>RESERVES</b>					
For equity in H-E.P.C. systems....	6,028.37	108,490.61	9,453.44	85,692.91	10,517.92
For depreciation.....	3,686.44	96,675.27	8,188.52	49,400.99	4,141.56
Other reserves.....		5,550.64		7,500.00	1,953.01
Total reserves.....	9,714.81	210,716.52	17,641.96	142,593.90	16,612.49
<b>SURPLUS</b>					
Debentures paid.....	7,742.38	133,737.33	10,000.00	147,939.89	15,457.81
Local sinking fund.....					
Operating surplus.....	6,610.72	54,075.50	35,099.29	65,656.63	11,418.22
Total surplus.....	14,353.10	187,812.83	45,099.29	213,596.52	26,876.03
Total liabilities, reserves and surplus..	26,453.28	399,244.29	63,129.98	380,107.19	47,338.90
Percentage of net debt to total assets..	11.6	0.2	0.7	8.1	10.4



“A”—Continued

Hydro Municipalities as at December 31, 1942

Warkworth P.V.	Wellington 927	Westport 681	Whitby 4,282	Williams- burgh P.V.	Winchester 1,146	EASTERN ONTARIO SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
.....	200.00	.....	6,619.20	.....	299.85	1,129,793.71
.....	499.80	.....	34,288.16	.....	.....	1,491,835.48
5,697.62	15,250.70	7,349.21	61,671.33	3,431.14	10,461.21	3,240,857.28
.....	.....	.....	.....	.....	.....	515,497.39
850.80	4,535.20	1,015.48	15,640.86	1,978.92	4,498.65	1,192,569.23
2,132.32	6,070.62	1,794.62	21,625.59	2,391.10	5,906.62	1,314,386.21
338.08	1,349.61	706.11	12,478.33	174.61	719.87	482,336.23
.....	.....	.....	.....	.....	.....	.....
609.19	871.94	1,380.69	8,166.49	106.18	315.52	343,664.62
.....	.....	.....	.....	.....	.....	.....
3,618.02	2,477.92	1,713.00	1,340.13	.....	1,100.00	194,983.24
.....	.....	.....	.....	.....	.....	.....
13,246.03	31,255.79	13,959.11	161,830.09	8,081.95	23,301.72	9,905,923.39
.....	.....	.....	.....	.....	.....	.....
649.92	909.67	834.36	2,542.57	1,627.04	2,232.81	536,709.00
3,500.00	9,000.00	5,800.00	14,000.00	21,000.00	10,000.00	1,629,093.60
22.14	64.45	.06	1,484.49	505.99	301.10	279,743.01
.....	.....	.....	375.02	.....	.....	193,604.03
.....	.....	.....	.....	.....	.....	806,235.67
4,207.98	10,815.01	5,292.95	54,772.68	6,763.47	21,055.20	2,726,778.32
.....	.....	.....	25.02	.....	.....	6,487.08
.....	.....	.....	.....	.....	.....	.....
21,626.07	52,044.92	25,886.48	235,029.87	37,978.45	56,890.83	16,084,574.10
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
21,626.07	52,044.92	25,886.48	235,029.87	37,978.45	56,890.83	16,084,574.10
.....	.....	.....	.....	.....	.....	.....
6,699.84	3,707.02	8,726.32	11,718.16	.....	1,418.40	1,336,570.44
.....	105.45	.....	288.98	.....	.....	186,490.04
.....	.....	.....	.....	.....	.....	19,529.15
24.00	44.25	165.00	1,618.60	319.56	10.00	149,968.11
.....	.....	.....	.....	.....	.....	.....
6,723.84	3,856.72	8,891.32	13,625.74	319.56	1,428.40	1,692,557.74
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
4,207.98	10,815.01	5,292.95	54,772.68	6,763.47	21,055.20	2,726,778.32
3,365.52	12,448.32	2,413.46	30,619.40	4,111.72	11,434.12	3,161,152.07
.....	.....	.....	.....	345.62	.....	796,870.92
.....	.....	.....	.....	.....	.....	.....
7,573.50	23,263.33	7,706.41	85,392.08	11,220.81	32,489.32	6,684,801.31
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
4,300.16	13,292.98	6,273.68	64,894.34	2,750.00	9,231.60	2,900,278.95
.....	.....	.....	.....	.....	.....	806,235.67
3,028.57	11,631.89	3,015.07	71,117.71	23,688.08	13,741.51	4,000,700.43
.....	.....	.....	.....	.....	.....	.....
7,328.73	24,924.87	9,288.75	136,012.05	26,438.08	22,973.11	7,707,215.05
.....	.....	.....	.....	.....	.....	.....
21,626.07	52,044.92	25,886.48	235,029.87	37,978.45	56,890.83	16,084,574.10
.....	.....	.....	.....	.....	.....	.....
38.6	9.4	42.7	7.0	1.0	4.0	7.1

## STATEMENT

## Balance Sheet of Electrical Departments of

THUNDER BAY  
SYSTEM

Municipality.....	Fort William 28,626	Nipigon Twp.	Port Arthur 23,384	THUNDER BAY SYSTEM SUMMARY
Population.....				
ASSETS	\$ c.	c.	\$ c.	\$ c.
Lands and buildings.....	86,326.42	215.03	466,837.65	553,379.10
Substation equipment.....	152,518.05		310,294.87	462,812.92
Distribution system—overhead.....	230,740.10	18,492.42	512,164.00	761,396.52
Distribution system—underground.....				
Line transformers.....	93,235.72	5,223.01	112,745.29	211,204.02
Meters.....	88,272.56	4,323.00	115,760.76	208,356.32
Street light equipment, regular.....	47,235.33	2,436.86	82,604.18	132,276.37
Street light equipment, ornamental.....				
Miscellaneous construction expense..	27,415.92	197.64	36,380.68	63,994.24
Steam or hydraulic plant.....			325,003.44	325,003.44
Old plant.....				
Total plant.....	725,744.10	30,887.96	1,961,790.87	2,718,422.93
Bank and cash balance.....		1,046.12	9,224.09	10,270.21
Securities and investments.....	85,800.00	2,000.00	604,244.63	692,044.63
Accounts receivable.....	29,295.49	103.46	76,727.24	106,126.19
Inventories.....	26,767.58	118.47	24,633.97	51,520.02
Sinking fund on local debentures.....	103,696.62			103,696.62
Equity in H-E.P.C. systems.....	704,110.08	6,082.66	2,302,151.73	3,012,344.47
Other assets.....	1,372.26		850.00	2,222.26
Total assets.....	1,676,786.13	40,238.67	4,979,622.53	6,696,647.33
Deficit.....				
Total.....	1,676,786.13	40,238.67	4,979,622.53	6,696,647.33
LIABILITIES				
Debenture balance.....	250,000.00	1,598.42		251,598.42
Accounts payable.....	47,389.39	51.89	4,430.36	51,871.64
Bank overdraft.....	23,042.26			23,042.26
Other liabilities.....	30,006.74			30,006.74
Total liabilities.....	350,438.39	1,650.31	4,430.36	356,519.06
RESERVES				
For equity in H-E.P.C. systems.....	704,110.08	6,082.66	2,302,151.73	3,012,344.47
For depreciation.....	161,403.06	4,550.98	657,652.57	823,606.61
Other reserves.....	36,495.17	500.00	131,091.67	168,086.84
Total reserves.....	902,008.31	11,133.64	3,090,895.97	4,004,037.92
SURPLUS				
Debentures paid.....	124,209.11	8,401.58	642,100.00	774,710.69
Local sinking fund.....	103,696.62			103,696.62
Operating surplus.....	196,433.70	19,053.14	1,242,196.20	1,457,683.04
Total surplus.....	424,339.43	27,454.72	1,884,296.20	2,336,090.35
Total liabilities, reserves and surplus..	1,676,786.13	40,238.67	4,979,622.53	6,696,647.33
Percentage of net debt to total assets..	28.4	4.8	0.2	7.1

“A”—Continued

Hydro Municipalities as at December 31, 1942

Capreol 1,660	North Bay 15,975	Sioux Lookout 1,950	Sudbury 31,789	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
450.00	59,446.84		73,127.45	133,024.29	11,546,286.55
9,730.32	71,129.06		118,856.20	199,715.58	25,359,352.47
13,603.79	146,378.33	9,242.18	373,583.76	542,808.06	25,572,132.86
					6,446,133.75
5,209.62	40,054.81	3,553.01	107,431.48	156,248.92	12,209,624.79
5,233.61	81,343.34	5,952.56	132,185.06	224,714.57	10,938,305.73
1,126.26	28,255.84	1,794.15	110,690.49	141,866.74	2,928,896.30
					1,543,717.00
732.07	15,898.54	789.40	19,014.66	36,434.67	4,091,006.92
					422,172.72
					1,028,830.05
36,085.67	442,506.76	21,331.30	934,889.10	1,434,812.83	102,086,459.14
666.55	14,645.06	1,316.33	37,699.62	54,327.56	2,482,945.50
6,000.00	100,750.00		168,500.00	275,250.00	12,592,455.09
591.83	10,409.02	302.32	23,039.38	34,342.55	3,614,066.68
	9,711.61		29,945.89	39,657.50	2,047,430.38
					5,445,199.46
	639.79		83.59	723.38	57,080,491.77
					197,190.92
43,344.05	578,662.24	22,949.95	1,194,157.58	1,839,113.82	185,546,238.94
					20,106.93
43,344.05	578,662.24	22,949.95	1,194,157.58	1,839,113.82	185,566,345.87
	222,500.00		98,867.77	321,367.77	16,184,642.53
78.81	53.19	130.79	28,191.69	28,454.48	2,399,404.91
					105,571.05
420.00	26,664.61	2,362.33	37,699.54	67,146.48	2,806,844.10
498.81	249,217.80	2,493.12	164,759.00	416,968.73	21,496,462.59
					57,080,491.77
5,573.84	211,243.64	1,350.90	96,803.26	314,971.64	29,840,207.73
133.88	21,857.96	100.00	83,135.52	105,227.36	4,907,609.88
5,707.72	233,101.60	1,450.90	179,938.78	420,199.00	91,828,309.38
19,000.00	17,500.00		368,470.76	404,970.76	41,183,741.27
18,137.52	78,842.84	19,005.93	480,989.04	596,975.33	5,445,199.46
37,137.52	96,342.84	19,005.93	849,459.80	1,001,946.09	25,612,633.17
43,344.05	578,662.24	22,949.95	1,194,157.58	1,839,113.82	72,241,573.90
1.2	43.1	10.9	13.8	22.7	185,566,345.87
					11.9



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM

Municipality.....	Acton	Agincourt	Ailsa Craig 457	Alvinston	Amherst- burg 2,743
Population.....	1,954	P.V.		645	
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	13,479.95	5,871.58	2,666.78	3,989.88	23,663.39
Commercial light service.....	5,456.94	1,174.86	1,176.66	1,923.82	8,997.66
Commercial power service.....	30,439.09	1,150.76	1,358.01	222.45	7,663.22
Municipal power.....	737.16			315.09	
Street lighting.....	1,988.07	792.00	677.00	1,537.40	2,211.00
Merchandise.....	175.27				50.36
Miscellaneous.....	338.78	335.00	318.95	219.37	233.19
Total earnings.....	52,615.26	9,324.20	6,197.40	8,208.01	42,818.82
<b>EXPENSES</b>					
Power purchased.....	41,329.62	4,747.76	4,139.23	3,925.39	26,109.81
Substation operation.....					
Substation maintenance.....	22.50				
Distribution system, operation and maintenance.....	3,228.95	82.82	147.28	322.13	780.48
Line transformer maintenance.....	55.50	19.40			.50
Meter maintenance.....	307.74	37.74	410.29	1.04	88.45
Consumers' premises expenses.....	348.30	103.47			1,696.76
Street lighting, operation and main- tenance.....	489.56	64.23	72.24	98.56	287.68
Promotion of business.....					24.00
Billing and collecting.....	1,032.54	529.02	111.64	383.09	1,245.29
General office, salaries and expenses..	584.22	100.53	82.63	281.83	748.17
Undistributed expenses.....	161.74		17.50	19.48	24.07
Truck operation and maintenance...	259.79				192.19
Interest.....				102.94	587.35
Sinking fund and principal payments on debentures.....				1,687.93	1,000.00
Depreciation.....	1,681.00	505.00	562.00	852.00	2,649.00
Other reserves.....	1,500.00	1,500.00			
Total operating costs and fixed charges.....	51,001.46	7,689.97	5,542.81	7,674.39	35,433.75
Net surplus.....	1,613.80	1,634.23	654.59	533.62	7,385.07
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	542	167	146	190	728
Commercial light service.....	87	26	34	52	131
Power service.....	18	3	4	3	16
Total.....	647	196	184	245	875

“B”

Hydro Municipalities for Year Ended December 31, 1942

Ancaster Twp.	Arkona 385	Aylmer 2,412	Ayr 772	Baden P.V.	Beachville P.V.	Beamsville
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
13,454.11	3,140.27	13,251.96	6,121.91	4,052.79	3,801.65	11,592.27
3,283.50	1,575.93	10,500.80	2,140.63	2,226.65	674.66	5,439.09
956.75	233.20	9,649.27	672.20	10,549.55	16,726.08	2,105.98
299.36		1,045.30				
1,104.06	1,066.73	2,814.77	1,194.10	706.67	497.03	2,056.03
	.19	1,025.85	60.00	82.71	264.00	244.89
19,097.78	6,016.32	38,287.95	10,188.84	17,618.37	21,963.42	21,438.26
9,162.20	2,427.41	23,167.43	6,704.00	13,971.56	18,169.04	10,708.26
1,695.56	115.28	1,273.17	472.65	266.60	173.79	661.94
49.68		127.40			30.08	
370.53	67.40	676.88	21.50	45.77	99.70	
266.02		560.17	5.10	120.08		81.85
357.28	96.31	390.48	134.98	152.87	73.03	261.87
		5.00				
1,334.50	237.74	846.81	458.46	293.45	314.51	810.68
837.52	66.39	1,438.92	101.41	151.15	154.14	451.02
72.42	11.53	106.46	7.85	10.75	12.04	5.88
		212.32				
463.56	222.95	474.84	174.73		15.59	541.22
774.89	911.89	1,122.38	542.42		111.01	1,473.23
1,293.00	443.00	2,191.00	804.00	545.00	857.00	964.00
40.00		2,500.00	346.69	1,000.00		
16,717.16	4,599.90	35,093.26	9,773.79	16,557.23	20,009.93	15,959.95
2,380.62	1,416.42	3,194.69	415.05	1,061.14	1,953.49	5,478.31
380	112	732	219	161	167	384
45	32	147	44	36	23	74
8	2	14	5	3	4	4
433	146	893	268	200	194	462

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Belle River 844	Blenheim	Blyth	Bolton	Bothwell
Population.....		1,812	652	590	644
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	5,167.35	9,405.49	3,753.05	4,588.69	2,638.99
Commercial light service.....	2,588.68	8,499.62	2,205.04	1,990.18	2,029.32
Commercial power service.....	107.43	3,981.22	1,073.08	2,337.19	809.08
Municipal power.....	1,518.01	1,368.40		129.05	139.04
Street lighting.....	1,029.00	2,548.01	1,530.65	1,045.75	1,187.65
Merchandise.....		227.71			
Miscellaneous.....	137.09	710.00	119.70	267.50	492.65
Total earnings.....	10,547.56	26,740.45	8,681.52	10,358.36	7,296.73
EXPENSES					
Power purchased.....	5,210.32	14,182.32	4,785.78	5,605.89	3,895.06
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	522.93	768.88	494.68	381.18	326.63
Line transformer maintenance.....	53.77	39.62			
Meter maintenance.....	169.97	382.53	156.77		118.31
Consumers' premises expenses.....	21.30	205.70	20.65	163.65	
Street lighting, operation and main- tenance.....	194.17	544.75	135.22	129.31	141.21
Promotion of business.....		10.38			
Billing and collecting.....	735.80	2,116.65	317.29		271.42
General office, salaries and expenses..	277.78	1,508.27	142.80	719.25	196.10
Undistributed expenses.....	9.32	174.87	48.10	31.19	1.87
Truck operation and maintenance.....					
Interest.....		402.01	2.35	84.16	75.52
Sinking fund and principal payments on debentures.....		805.62		533.92	287.73
Depreciation.....	1,037.00	2,356.00	615.00	743.00	678.00
Other reserves.....	1,100.00	1,600.00			
Total operating costs and fixed charges.....	9,332.36	25,097.60	6,718.64	8,391.55	5,991.85
Net surplus.....	1,215.20	1,642.85	1,962.88	1,966.81	1,304.88
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	264	555	181	186	185
Commercial light service.....	45	136	47	47	53
Power service.....	2	15	4	9	7
Total.....	311	706	232	242	245



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Brampton 5,823	Brantford 32,174	Brantford Twp. V.A.	Bridgeport P.V.	Brigden P.V.	Brussels 760	Burford P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
45,913.12	183,220.23	28,412.04	5,220.34	2,330.50	4,667.62	5,470.66
20,127.86	85,616.00	4,508.25	1,611.23	1,921.22	3,143.61	1,852.29
22,108.07	300,374.22	6,609.38	244.85	701.23	963.89	1,466.65
2,821.27	8,133.28					
6,526.99	32,561.44	3,995.14	876.00	854.03	1,269.75	654.18
136.06	6,946.51	61.90		135.95	339.00	217.76
97,633.37	616,851.68	43,586.71	7,952.42	5,942.93	10,383.87	9,661.54
65,495.75	471,752.85	27,609.96	4,376.38	3,101.87	5,301.01	6,450.07
251.39	8,238.02					
	3,072.55					
1,401.93	9,545.48	1,633.62	138.32	281.58	695.36	104.52
96.09	942.00	415.98	8.26	2.40	56.00	
630.03	6,560.65	1,091.59	11.30	30.84	208.13	3.90
1,923.80	5,724.00	27.08				2.25
1,372.10	3,979.29	1,091.57	113.57	92.83	142.33	57.60
35.45						
2,267.50	10,520.10	1,970.33	427.99	359.20		461.40
2,093.10	11 254.61	2,411.92	8.95	265.27	765.22	178.60
134.95	5,704.93	293.41	6.12	10.45	10.90	11.57
591.35	2,024.30	494.41				
27.68	1,903.75		235.67		178.44	
	9,500.00		898.17		1,578.84	
6,457.00	39,080.00	3,452.00	648.00	530.00	845.00	625.00
7,500.00	13,500.00					
90,278.12	603,302.53	40,491.87	6,872.73	4,674.44	9,781.23	7,894.91
7,355.25	13,549.15	3,094.84	1,079.69	1,268.49	602.64	1,766.63
1,584	8,056	1,325	174	124	250	245
272	1,212	56	20	37	69	38
53	206	7	2	4	4	3
1,909	9,474	1,388	196	165	323	286

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality.....	Burgess- ville P.V.	Caledonia	Campbell- ville P.V.	Cayuga	Chatham
Population.....		1,425		687	17,893
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	1,813.39	6,923.18	1,511.04	3,924.85	99,992.49
Commercial light service.....	599.23	5,431.64	785.95	3,655.94	100,399.07
Commercial power service.....	253.38	2,270.42	196.57	893.16	88,441.17
Municipal power.....					7,248.74
Street lighting.....	315.73	1,945.32	393.30	1,500.15	18,811.75
Merchandise.....				45.09	3,594.82
Miscellaneous.....	34.50	224.92	110.98	59.10	1,575.41
Total earnings.....	3,016.23	16,795.48	2,997.84	10,078.29	320,063.45
<b>EXPENSES</b>					
Power purchased.....	2,055.68	9,810.92	1,725.74	4,317.24	162,537.87
Substation operation.....					5,497.79
Substation maintenance.....					5,834.68
Distribution system, operation and maintenance.....	35.60	1,213.80	11.62	440.21	9,784.42
Line transformer maintenance.....	29.87	50.28		64.08	1,885.32
Meter maintenance.....		291.25	4.23	122.90	6,882.52
Consumers' premises expenses.....		103.61			4,449.56
Street lighting, operation and main- tenance.....	41.86	320.45	33.41	194.60	5,137.25
Promotion of business.....		8.48			4,144.21
Billing and collecting.....		864.55		604.35	9,548.38
General office, salaries and expenses..	149.38	1,040.62	115.29	477.48	15,198.61
Undistributed expenses.....		144.82	5.72	87.86	9,204.91
Truck operation and maintenance.....		299.67			2,909.28
Interest.....			54.29	252.75	6,568.71
Sinking fund and principal payments on debentures.....			434.53	1,425.25	14,532.34
Depreciation.....	288.00	936.00	163.00	920.00	21,430.00
Other reserves.....				50.00	15,000.00
Total operating costs and fixed charges.....	2,600.39	15,084.45	2,547.83	8,956.72	300,815.85
Net surplus.....	415.84	1,711.03	450.01	1,121.57	19,247.60
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	56	447	53	181	4,483
Commercial light service.....	16	100	12	66	786
Power service.....	2	10	1	6	105
Total.....	74	557	66	253	5,374

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Chippawa	Clifford	Clinton	Comber	Cottam	Courtright	Dashwood
1,320	452	1,922	P.V.	P.V.	341	P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,658.41	2,847.74	14,829.37	2,258.29	2,758.68	1,513.26	2,191.66
3,044.86	1,733.38	8,522.81	1,891.23	1,736.14	743.84	1,169.45
46.67	747.88	5,008.35	2,356.65	334.96		1,044.93
1,156.38		1,334.03			974.64	
1,839.06	1,014.54	2,744.68	713.00	480.00	595.00	483.74
		368.07				
233.66	93.02	660.70	276.20	242.66	187.50	149.03
14,979.04	6,436.56	33,468.01	7,495.37	5,552.44	4,014.24	5,038.81
6,721.59	3,977.00	18,980.32	4,921.80	2,573.40	2,070.14	2,795.52
		100.00				
811.50	64.44	1,165.16	443.91	66.72	9.36	147.04
139.69		19.75	4.50	.50		
523.29	179.51	271.78	157.39	23.02	153.16	18.26
27.63		381.45				6.74
316.11	66.36	225.14	85.31	54.21	38.45	21.80
136.70						
569.16	411.18	841.13	213.38	424.91	195.88	198.69
710.21	20.40	1,881.55	240.97	46.50	24.05	53.95
212.90	10.00	61.60	7.78	10.27	5.96	3.24
294.34		219.11				
	276.01		14.08	191.89	1.00	54.95
	274.43			576.24		178.99
922.00	425.00	2,746.00	623.00	519.00	290.00	317.00
		3,500.00				
11,385.12	5,704.33	30,392.99	6,712.12	4,486.66	2,788.00	3,796.18
3,593.92	732.23	3,075.02	783.25	1,065.78	1,226.24	1,242.63
352	131	573	115	129	78	99
46	34	117	45	28	19	27
2	2	18	4	2	1	2
400	167	708	164	159	98	128



STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Delaware	Delhi	Dorchester	Drayton	Dresden
Population.....	P.V.	1,908	P.V.	526	1,529
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	2,037.56	11,924.64	2,884.77	3,445.96	7,212.40
Commercial light service.....	655.59	10,214.35	1,055.74	1,947.08	6,507.55
Commercial power service.....		7,638.68	712.14	1,276.67	3,792.44
Municipal power.....					258.21
Street lighting.....	271.43	2,508.14	723.41	960.00	2,160.18
Merchandise.....					681.51
Miscellaneous.....	46.65	723.02	129.95	237.50	383.97
Total earnings.....	3,011.23	33,008.83	5,506.01	7,867.21	20,996.26
<b>EXPENSES</b>					
Power purchased.....	1,760.10	14,998.15	2,787.14	5,505.71	11,829.64
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	45.73	1,592.97	119.03	111.61	1,260.91
Line transformer maintenance.....		258.42	1.35		1.21
Meter maintenance.....	32.63	227.21	2.23	22.26	462.86
Consumers' premises expenses.....	8.75	615.19	62.42	18.66	158.37
Street lighting, operation and maintenance.....	17.90	267.09	78.79	168.81	335.36
Promotion of business.....	135.13	153.18			2.00
Billing and collecting.....	253.11	1,731.67	197.62		769.41
General office, salaries and expenses..	46.07	1,503.21	76.33	446.82	719.28
Undistributed expenses.....		166.89		13.61	76.85
Truck operation and maintenance.....		280.30			427.87
Interest.....	35.95	2,982.28	49.16	203.61	
Sinking fund and principal payments on debentures.....	224.76	3,175.58	230.56	486.55	
Depreciation.....	206.00	1,611.00	504.00	745.00	1,002.00
Other reserves.....		1,900.00	525.00		2,000.00
Total operating costs and fixed charges.....	2,766.13	31,463.14	4,633.63	7,722.64	19,045.76
Net surplus.....	245.10	1,545.69	872.38	144.57	1,950.50
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic Service.....	66	592	148	168	469
Commercial light service.....	15	150	29	61	121
Power service.....		8	2	5	11
Total.....	81	750	179	234	601

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Drumbo P.V.	Dublin P.V.	Dundas 5,163	Dunnville 4,069	Dutton 804	East York Twp.	Elmira 2,048
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,459.19	1,262.88	27,394.50	16,931.84	3,123.83	241,405.89	16,992.15
1,084.64	855.24	14,647.45	16,330.53	2,514.99	30,890.41	9,636.31
823.82	1,517.53	39,511.39	16,067.99	3,526.72	40,372.53	9,603.61
.....	.....	514.91	2,816.73	.....	4,688.10	1,735.37
618.64	530.32	5,514.70	3,647.70	1,006.83	23,838.01	1,998.67
.....	.....	.....	.....	.....	.....	.....
122.72	39.02	787.91	1,041.31	287.37	64.29	1,276.80
.....	.....	.....	.....	.....	.....	.....
5,109.01	4,204.99	88,370.86	56,836.10	10,459.74	341,259.23	41,242.91
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
3,615.48	2,643.85	64,082.06	25,750.80	7,560.31	192,796.46	26,248.20
.....	.....	702.35	470.62	.....	1,381.12	.....
.....	.....	.....	.....	.....	.....	.....
440.60	74.35	5,858.56	2,665.46	280.99	12,260.29	1,334.65
.....	.....	159.14	150.27	12.56	525.50	86.67
263.53	94.97	1,375.77	821.60	152.94	4,525.45	506.82
.....	48.86	84.25	.....	.....	6,623.52	74.60
.....	.....	.....	.....	.....	.....	.....
107.17	118.68	504.51	683.94	125.15	1,953.56	353.23
.....	.....	.....	.....	.....	65.00	.....
534.79	.....	1,362.46	1,070.55	458.30	15,420.78	860.80
30.66	331.11	2,347.16	1,520.35	189.23	14,426.11	1,146.40
1.22	8.00	688.45	216.13	.....	959.24	184.19
.....	.....	1,011.88	194.09	.....	.....	252.93
39.85	.....	750.99	1,420.75	.....	7,345.08	446.04
.....	.....	.....	.....	.....	.....	.....
252.88	.....	2,040.01	4,140.17	.....	22,051.17	2,069.02
.....	.....	.....	.....	.....	.....	.....
402.00	396.30	5,799.00	4,511.00	771.00	18,820.00	2,891.00
.....	.....	50.00	6,500.00	.....	.....	2,500.00
.....	.....	.....	.....	.....	.....	.....
5,688.18	3,716.12	86,816.59	50,115.73	9,550.48	299,153.28	38,954.55
.....	.....	.....	.....	.....	.....	.....
.....	488.87	1,554.27	6,720.37	909.26	42,105.95	2,288.36
.....	.....	.....	.....	.....	.....	.....
579.17	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
85	57	1,372	1,026	226	11,108	549
26	27	190	210	66	489	120
1	2	37	28	11	41	24
.....	.....	.....	.....	.....	.....	.....
112	86	1,599	1,264	303	11,638	693

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality.....	Elora	Embro	Erieau	Erie Beach †24	Essex
Population.....	1,208	420	*243		1,952
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	8,559.41	3,369.35	4,224.42	1,623.19	8,664.84
Commercial light service.....	4,626.46	1,235.29	1,611.75	210.69	8,412.55
Commercial power service.....	4,624.42	763.45	584.35		7,440.72
Municipal power.....					1,399.75
Street lighting.....	1,324.20	621.12	495.00		2,355.65
Merchandise.....	54.62				
Miscellaneous.....	439.52	87.59			814.94
<b>Total earnings.....</b>	<b>19,628.63</b>	<b>6,076.80</b>	<b>6,915.52</b>	<b>1,833.88</b>	<b>29,088.45</b>
<b>EXPENSES</b>					
Power purchased.....	13,634.66	3,958.63	4,662.53	820.32	16,308.03
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,324.71	127.43	160.18	16.78	777.12
Line transformer maintenance.....			50.74	25.46	24.70
Meter maintenance.....	107.24	16.91	59.74	28.77	611.93
Consumers' premises expenses.....		20.00	18.86		36.82
Street lighting, operation and main- tenance.....	317.88	231.98	85.44		424.12
Promotion of business.....					110.50
Billing and collecting.....	878.96	347.00	505.96	155.79	1,293.57
General office, salaries and expenses..	584.25	85.80	443.31	208.75	2,011.52
Undistributed expenses.....	183.04		22.40	0.50	326.15
Truck operation and maintenance....	324.50				381.94
Interest.....			71.84	51.53	776.28
Sinking fund and principal payments on debentures.....			549.02	236.17	771.83
Depreciation.....	1,441.00	623.00	552.00	119.00	2,471.00
Other reserves.....					1,500.00
<b>Total operating costs and fixed charges.....</b>	<b>18,796.24</b>	<b>5,410.75</b>	<b>7,182.02</b>	<b>1,663.07</b>	<b>27,825.51</b>
<b>Net surplus.....</b>	<b>832.39</b>	<b>666.05</b>		<b>170.81</b>	<b>1,262.94</b>
<b>Net loss.....</b>			<b>266.50</b>		
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	357	119	190	83	516
Commercial light service.....	68	36	15	3	127
Power service.....	4	2	2		20
<b>Total.....</b>	<b>429</b>	<b>157</b>	<b>207</b>	<b>86</b>	<b>663</b>

\*Summer population 993.

†Summer Population 324.



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Etobicoke Twp. V.A.	Exeter 1,582	Fergus 2,787	Fonthill 919	Forest 1,569	Forest Hill 12,779	Galt 14,858
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
191,834.22	13,426.90	21,327.71	6,093.58	13,073.65	209,326.15	115,080.24
30,092.12	7,386.74	9,495.26	1,976.39	7,273.28	26,761.60	58,014.26
31,697.38	3,603.72	24,139.42	267.64	4,024.86	2,835.70	157,676.10
6,435.07	497.61	669.49	226.03	1,169.01	554.56	4,432.42
13,956.98	2,781.89	2,408.58	1,339.00	2,430.90	8,733.51	15,024.58
.....	394.82	.....	.....	219.02	.....	535.31
585.93	971.67	120.00	51.37	728.70	3,968.23	4,000.34
274,601.70	29,063.35	58,160.46	9,954.01	28,919.42	252,179.75	354,763.25
171,056.76	17,498.13	37,632.63	4,822.97	17,392.10	148,345.92	268,293.06
.....	.....	.....	.....	.....	598.59	5,747.19
.....	.....	.....	.....	.....	.....	16.10
10,874.15	1,273.83	1,719.58	551.09	1,942.70	8,527.85	4,519.33
494.84	154.68	399.10	101.38	.....	431.91	354.34
2,259.83	207.58	662.26	130.92	220.42	1,611.86	1,898.46
10,571.75	185.12	24.72	9.75	646.08	5,662.89	1,452.07
610.15	517.05	383.20	161.62	268.99	307.73	2,159.36
.....	.....	1.90	.....	24.42	.....	2,374.06
9,137.41	1,239.72	1,273.45	713.55	945.59	5,728.18	4,450.76
6,255.50	1,679.11	1,084.05	232.04	1,149.30	6,718.78	6,965.78
3,025.72	47.12	247.42	10.20	260.89	812.24	3,307.66
1,726.21	134.95	460.17	.....	79.95	630.25	448.26
5,327.13	.....	409.30	357.21	139.74	11,033.50	1,049.62
14,528.68	.....	1,656.07	1,280.52	1,236.37	14,786.71	9,761.51
16,662.00	2,051.00	2,176.93	681.00	1,948.00	14,044.00	30,825.00
10,000.00	2,000.00	5,000.00	.....	1,300.00	.....	5,500.00
262,530.13	26,988.29	53,130.78	9,052.25	27,554.55	219,240.41	349,122.56
12,071.57	2,075.06	5,029.68	901.76	1,364.87	32,939.34	5,640.69
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
5,521	525	772	287	485	3,387	4,168
290	119	118	34	130	254	497
41	14	13	3	19	25	115
5,852	658	903	324	634	3,666	4,780

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	George- town 2,498	Glencoe 764	Goderich 4,886	Granton P.V.	Grimsby *1,992
Population.....					
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	20,977.74	4,864.90	35,244.93	2,126.04	16,071.82
Commercial light service.....	8,464.17	4,217.45	18,383.41	1,144.49	12,399.75
Commercial power service.....	31,790.53	1,639.35	15,438.02		9,799.39
Municipal power.....	660.25	1,916.40	3,120.44		2,203.65
Street lighting.....	2,871.64	1,848.90	4,383.53	359.06	3,130.25
Merchandise.....		96.71	317.20		
Miscellaneous.....	714.91	255.85	964.67	95.59	379.78
Total earnings.....	65,479.24	14,839.56	77,852.20	3,725.18	43,984.64
<b>EXPENSES</b>					
Power purchased.....	47,488.40	7,740.36	46,760.85	2,214.05	19,480.08
Substation operation.....			1,760.37		
Substation maintenance.....					
Distribution system, operation and maintenance.....	1,526.73	1,543.80	2,663.91	182.89	1,082.73
Line transformer maintenance.....	359.56	8.52	600.01		
Meter maintenance.....	1,032.91	218.82	813.00	27.56	82.12
Consumers' premises expenses.....	295.16		265.38	1.18	
Street lighting, operation and main- tenance.....	459.21	116.56	477.79	41.15	286.95
Promotion of business.....					
Billing and collecting.....	1,929.10	691.28	2,184.42	294.02	2,273.02
General office, salaries and expenses..	1,154.92	697.56	1,688.85	115.06	1,950.59
Undistributed expenses.....	173.16	181.56	161.83	4.00	
Truck operation and maintenance....	478.88		407.57		
Interest.....	159.83		1,442.72	52.92	3,413.76
Sinking fund and principal payments on debentures.....	1,293.15		3,490.67	201.35	2,866.00
Depreciation.....	2,658.00	1,403.00	7,430.00	312.00	1,777.00
Other reserves.....		500.00			
Total operating costs and fixed charges.....	59,009.01	13,101.46	70,147.37	3,446.18	33,212.25
Net surplus.....	6,470.23	1,738.10	7,704.83	279.00	10,772.39
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	815	224	1,324	78	624
Commercial light service.....	129	79	246	29	119
Power service.....	28	9	20		16
Total.....	972	312	1,590	107	759

\*11 months' operation.

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Guelph	Hagersville	Hamilton	Harriston	Harrow	Hensall	Hespeler
22,685	1,429	160,813	1,287	1,086	680	2,967
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
118,637.67	7,546.79	956,015.83	7,654.87	10,852.37	4,597.12	18,721.41
58,572.57	6,480.30	513,723.17	5,028.11	5,323.08	2,422.56	5,089.03
127,646.95	19,021.49	2,821,612.30	5,812.21	3,740.60	3,015.10	57,097.67
13,825.25		83,060.45	372.73			1,023.61
19,209.30	2,140.70	110,599.48	1,555.32	1,367.26	982.03	3,203.59
			9.51	123.36		
1,314.25	1,084.29	85,464.11	282.88	15.00	300.60	604.28
339,205.99	36,273.57	4,570,475.34	20,715.63	21,421.67	11,317.41	85,739.59
261,320.96	26,527.69	3,333,416.11	14,828.02	15,492.90	6,244.55	68,526.12
		73,559.80				
2,989.72		11,978.99				47.83
7,974.31	2,131.22	40,478.47	1,402.93	489.07	686.24	3,698.53
1,598.09	101.19	7,163.63		39.98		60.45
4,271.61	403.61	33,986.00	165.24	312.08	22.75	183.46
151.32	34.35	50,480.55	221.37	321.13	12.92	677.15
6,058.90	392.48	18,141.13	233.04	422.03	202.61	309.31
90.38		17,186.31		27.00		18.50
6,308.35	704.70	71,943.50	830.46	1,064.10	315.47	1,149.87
10,312.45	607.19	56,553.86	344.66	518.85	280.21	1,526.78
3,269.24	58.13	32,791.39	102.04	40.57	20.08	637.78
	334.81		92.59			219.58
	36.29	55,801.23	216.60		166.45	849.07
	354.02	278,679.10	803.61		526.05	2,883.19
21,056.00	1,514.00	163,510.57	1,373.00	1,222.00	905.00	3,586.00
	1,500.00					
325,401.33	34,699.68	4,245,670.64	20,613.56	19,949.71	9,382.33	84,373.62
13,804.66	1,573.89	324,804.70	102.07	1,471.96	1,935.08	1,365.97
5,611	408	41,466	388	332	217	824
793	112	5,236	104	90	60	85
134	14	1,322	11	7	14	28
6,538	534	48,024	503	429	291	937



STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Highgate	Humber- stone	Ingersoll	Jarvis	Kingsville
Population.....	312	2,896	5,616		2,367
<b>EARNINGS</b>					
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	1,683.02	11,561.37	33,205.13	3,021.96	14,745.37
Commercial light service.....	791.50	3,761.60	17,861.94	2,189.22	8,842.46
Commercial power service.....	1,231.00	5,561.27	43,437.84	3,594.25	5,003.17
Municipal power.....	29.58		1,674.59		1,127.84
Street lighting.....	562.23	1,653.68	4,749.54	838.49	2,809.09
Merchandise.....			234.66		
Miscellaneous.....	133.98	780.40		332.98	1,274.07
Total earnings.....	4,431.31	23,318.32	101,163.70	9,976.90	33,802.00
<b>EXPENSES</b>					
Power purchased.....	2,935.19	12,821.15	78,224.06	6,952.75	17,780.30
Substation operation.....			183.43		
Substation maintenance.....					
Distribution system, operation and maintenance.....	8.63	1,403.25	3,235.82	107.28	1,936.13
Line transformer maintenance.....		66.25	252.73		39.86
Meter maintenance.....	142.84	418.75	867.54	97.40	606.82
Consumers' premises expenses.....			1,029.01		52.44
Street lighting, operation and main- tenance.....	55.29	176.63	1,188.29	15.30	420.05
Promotion of business.....			643.00		19.76
Billing and collecting.....	300.45	1,021.97	1,582.02	541.23	2,009.91
General office, salaries and expenses..	151.35	465.37	4,656.37	64.22	1,544.96
Undistributed expenses.....	11.27	28.05	809.11	7.77	494.78
Truck operation and maintenance.....		161.48	354.83		183.34
Interest.....		365.74	57.36	90.75	1,292.68
Sinking fund and principal payments on debentures.....		2,000.00		789.40	1,141.03
Depreciation.....	512.00	1,268.00	5,078.00	582.00	2,711.00
Other reserves.....		1,500.00	1,700.00		
Total operating costs and fixed charges.....	4,117.02	21,696.64	99,861.57	9,248.10	30,233.06
Net surplus.....	314.29	1,621.68	1,302.13	728.80	3,568.94
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	104	715	1,503	159	632
Commercial light service.....	35	79	224	41	157
Power service.....	6	11	44	3	20
Total.....	145	805	1,771	203	809

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Kitchener	Lambeth	La Salle	Leamington	Listowel	London
34,734	P.V.	1,010	5,534	3,002	76,086
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
242,443.09	3,385.59	8,548.33	28,529.26	17,639.60	576,855.00
141,995.57	1,226.02	1,252.65	18,811.14	12,966.94	227,754.20
378,911.28	218.27	177.50	19,048.68	18,246.89	439,760.70
28,636.80	425.11	.....	2,038.90	1,077.65	90,062.77
32,085.37	745.27	804.00	5,864.21	4,520.67	55,001.89
.....	.....	.....	.....	75.73	1,636.70
4,744.96	60.97	118.42	1,336.11	690.56	36,697.48
828,817.07	6,061.23	10,900.90	75,628.30	55,218.04	1,427,768.74
603,723.34	4,055.99	7,083.26	50,769.99	39,298.15	899,234.52
13,645.47	.....	.....	.....	.....	13,589.91
4,029.60	.....	.....	.....	212.05	21,468.32
15,945.11	166.41	282.59	2,912.98	2,470.82	13,561.94
2,096.44	.....	8.90	6.17	359.84	4,285.42
7,167.49	149.93	295.89	903.24	515.93	23,176.01
2,780.24	.....	150.48	28.07	243.59	4,669.80
8,990.27	91.09	87.90	807.97	683.11	10,165.60
147.62	.....	.....	52.90	2.30	8,024.07
13,078.59	317.82	466.80	1,838.24	1,239.39	26,649.52
13,708.88	50.60	163.98	3,583.24	1,032.40	38,572.14
6,460.62	.....	16.04	782.49	134.51	31,440.18
.....	.....	.....	486.75	321.14	5,366.23
6,362.66	.....	280.96	.....	.....	17,851.01
37,884.19	.....	1,070.40	.....	.....	28,273.40
49,412.00	539.00	1,228.00	5,006.00	3,906.00	131,998.52
.....	200.00	.....	4,200.00	2,500.00	75,000.00
785,432.52	5,570.84	11,135.20	71,378.04	52,919.23	1,353,326.59
43,384.55	490.39	.....	4,250.26	2,298.81	74,442.15
.....	.....	234.30	.....	.....	.....
8,426	136	242	1,627	795	18,988
1,077	21	12	272	157	1,933
263	3	2	33	23	452
9,766	160	256	1,932	975	21,373

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Continued**

Municipality.....	London Twp. V.A.	Long Branch 4,600	Lucan 621	Lynden P.V.	Markham 1,126
Population.....					
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	15,015.07	34,788.69	4,702.25	2,823.71	8,194.55
Commercial light service.....	1,994.22	6,674.31	2,358.93	769.18	3,086.99
Commercial power service.....	1,747.19	4,397.77	1,322.86	822.61	2,727.48
Municipal power.....		1,223.12			349.03
Street lighting.....	1,143.50	4,371.31	1,436.08	434.98	1,648.38
Merchandise.....					
Miscellaneous.....	252.83	203.50	222.05	38.77	421.93
Total earnings.....	20,152.81	51,658.70	10,042.17	4,889.25	16,428.36
<b>EXPENSES</b>					
Power purchased.....	13,037.75	28,149.35	4,905.33	3,124.40	9,468.99
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	549.18	2,971.06	360.39	76.31	867.34
Line transformer maintenance.....		136.09		14.57	28.60
Meter maintenance.....	26.50	472.22	259.68		51.35
Consumers' premises expenses.....	312.77	500.54	123.10		118.39
Street lighting, operation and main- tenance.....	306.21	368.88	169.18	28.87	195.47
Promotion of business.....			1.18		4.00
Billing and collecting.....	735.50	3,227.97	549.51		999.38
General office, salaries and expenses..	479.50	2,245.08	486.61	216.48	19.53
Undistributed expenses.....	4.91	944.60	18.27	29.25	20.98
Truck operation and maintenance.....					233.65
Interest.....	395.24	246.86	97.17	59.62	
Sinking fund and principal payments on debentures.....	822.83	2,243.07	401.38	249.66	
Depreciation.....	1,250.00	3,092.00	836.00	366.00	1,087.00
Other reserves.....		4,000.00			1,500.00
Total operating costs and fixed charges.....	17,920.39	48,597.72	8,207.80	4,165.16	14,594.68
Net surplus.....	2,232.42	3,060.98	1,834.37	724.09	1,833.68
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	478	1,533	170	102	337
Commercial light service.....	20	102	49	17	71
Power service.....	5	9	6	2	9
Total.....	503	1,644	225	121	417



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Merlin P.V.	Merritton	Milton 1,922	Milverton 995	Mimico 7,641	Mitchell 1,678	Moorefield P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,519.21	17,682.93	13,906.11	5,425.93	64,161.00	13,041.52	1,090.85
2,186.24	4,190.68	7,167.47	4,529.07	11,141.38	6,285.38	1,527.99
855.46	192,197.42	26,726.78	3,254.59	6,801.64	5,401.83	46.43
.....	1,927.86	.....	513.02	8,761.90	1,151.81	.....
701.88	3,360.86	2,199.09	1,022.70	7,880.63	2,610.89	350.00
.....	.....	316.94	.....	.....	1,674.59	.....
435.07	634.68	1,355.43	195.60	1,561.39	554.59	62.57
6,697.86	219,994.43	51,671.82	14,940.91	100,307.94	30,720.61	3,077.84
2,900.08	180,860.19	31,973.74	9,675.25	55,934.61	19,702.20	1,791.42
.....	332.82	.....	.....	.....	.....	.....
.....	.....	439.69	.....	421.50	437.37	.....
482.68	2,879.85	2,964.91	781.13	7,769.29	657.06	18.65
.....	30.06	38.86	.....	211.35	119.23	.....
125.91	640.97	479.02	131.71	1,201.45	387.08	34.50
110.01	34.20	208.07	4.20	1,877.98	456.77	.....
172.72	596.68	169.68	330.61	898.70	441.11	30.15
301.23	2,235.77	776.49	777.40	3,475.60	982.72	.....
290.14	2,232.73	1,191.01	372.03	1,504.46	1,422.77	169.89
1.75	248.76	115.33	32.38	346.16	603.44	.....
.....	289.95	299.97	.....	457.42	653.23	.....
41.97	255.31	107.15	12.88	1,899.58	20.11	.....
699.53	2,434.59	1,133.15	.....	7,069.91	.....	.....
519.00	4,553.00	2,831.00	882.00	7,449.00	3,715.00	269.00
.....	12,000.00	4,500.00	.....	4,500.00	.....	.....
5,645.02	209,624.88	47,228.07	12,999.59	95,017.01	29,598.09	2,313.61
1,052.84	10,369.55	4,443.75	1,941.32	5,290.93	1,122.52	764.23
.....	.....	.....	.....	.....	.....	.....
126	856	540	257	2,155	511	57
50	61	102	74	144	128	25
3	16	17	10	23	22	1
179	933	659	341	2,322	661	83

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Mount Brydges	Newbury	New Hamburg	New Toronto	Niagara Falls
Population.....	245	1,438	7,855	19,726	
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	2,961.13	1,208.61	10,782.05	42,963.44	137,773.20
Commercial light service.....	988.28	552.10	4,724.25	21,013.53	73,733.75
Commercial power service.....	1,037.78	197.30	7,891.11	254,798.61	95,045.66
Municipal power.....				14,191.73	14,347.34
Street lighting.....	819.27	696.80	2,040.00	7,560.24	26,241.24
Merchandise.....			109.05		
Miscellaneous.....	311.78	61.58	355.45	2,975.61	3,513.32
Total earnings.....	6,118.24	2,716.39	25,901.91	343,503.16	350,654.51
<b>EXPENSES</b>					
Power purchased.....	2,934.16	1,012.51	16,528.37	288,106.15	184,930.10
Substation operation.....			261.49		11,638.55
Substation maintenance.....					
Distribution system, operation and maintenance.....	106.33	118.49	1,569.69	6,860.67	10,388.64
Line transformer maintenance.....			135.00	122.58	296.10
Meter maintenance.....	114.77	9.95	359.47	2,078.21	6,684.04
Consumers' premises expenses.....			186.63	32.99	3,105.44
Street lighting, operation and main- tenance.....	19.58	54.19	341.70	947.87	1,675.91
Promotion of business.....					
Billing and collecting.....	258.67	74.86	696.56	3,185.04	8,976.99
General office, salaries and expenses..	125.14	156.82	1,063.27	7,912.82	10,178.44
Undistributed expenses.....			331.53	1,329.14	5,046.28
Truck operation and maintenance....			349.95	775.16	1,905.12
Interest.....	43.09			48.38	5,393.83
Sinking fund and principal payments on debentures.....	247.28			472.03	24,359.54
Depreciation.....	469.00	420.00	1,758.00	7,922.00	31,973.00
Other reserves.....			1,600.00	12,000.00	225.00
Total operating costs and fixed charges.....	4,318.02	1,846.82	25,181.66	331,793.04	306,776.98
Net surplus.....	1,800.22	869.57	720.25	11,710.12	43,877.53
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	156	62	367	1,951	4,879
Commercial light service.....	35	18	94	228	756
Power service.....	5	1	13	39	102
Total.....	196	81	474	2,218	5,737

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Niagara-on-the-Lake 2,019	North York Twp.	Norwich 1,297	Oil Springs 506	Otterville P.V.	Palmerston 1,419	Paris 4,604
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
17,213.82	233,812.65	8,899.36	1,882.15	2,534.24	10,813.41	25,692.20
7,765.07	52,654.69	4,846.55	1,338.51	1,912.43	5,090.18	9,127.60
3,949.73	94,931.84	1,408.33	5,759.04	464.45	6,103.81	23,361.55
1,456.55	6,233.12	497.97		76.30	762.16	1,105.13
3,638.14	5,502.89	2,153.23	639.81	868.12	2,559.99	5,503.00
190.81		835.15			187.52	
316.46	980.27	233.74	389.85	79.07	160.00	1,346.88
34,530.58	394,115.46	18,874.33	10,009.36	5,934.61	25,677.07	66,136.36
17,896.69	219,222.87	12,001.15	6,350.22	3,292.64	17,963.91	43,484.66
248.66	557.74				335.05	976.85
2,080.06	19,943.70	1,578.05	452.10	212.48	376.55	3,728.84
146.03	2,948.12	77.26	27.34		188.48	418.69
976.11	3,944.53	247.10	335.53	10.65	291.98	1,031.41
297.62	2,952.03	266.25	18.77		980.64	195.80
589.44	1,202.36	223.49	114.54	104.87	288.26	1,363.60
1,641.48	10,517.26	667.62	607.52	349.30	860.69	1,656.57
1,381.88	8,279.70	777.38	244.42	307.68	506.36	1,250.13
213.44	2,746.46	74.48	41.50	1.51	41.43	132.56
645.37	6,166.92	173.06			199.55	628.70
753.68	13,755.53	20.61			27.69	127.47
1,556.07	31,936.81	356.61			426.09	1,127.73
2,600.00	20,919.00	1,205.00	1,046.00	644.00	1,695.00	6,661.00
31,026.53	345,093.03	17,668.06	9,277.96	4,923.13	24,181.68	62,784.01
3,504.06	49,022.43	1,206.27	731.40	1,011.48	1,495.39	3,352.35
600	6,415	386	104	140	397	1,208
104	308	89	32	45	102	192
12	47	9	32	4	14	25
716	6,770	484	168	189	513	1,425



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Parkhill	Petrolia	Platts- ville P.V.	Point Edward 1,175	Port Colborne 6,903
Population.....	907	2,681			
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	5,712.19	13,264.81	2,830.33	6,340.90	33,904.81
Commercial light service.....	3,260.84	8,863.68	1,441.03	2,560.86	21,998.32
Commercial power service.....	978.53	24,871.66	2,350.98	45,082.95	20,466.58
Municipal power.....	510.90				7,009.42
Street lighting.....	1,556.45	2,760.42	397.07	1,775.50	8,751.62
Merchandise.....		79.14		133.95	2,195.67
Miscellaneous.....	165.00	648.35	119.60	572.10	2,150.54
Total earnings.....	12,183.91	50,488.06	7,139.01	56,466.26	96,476.96
EXPENSES					
Power purchased.....	7,292.35	30,372.84	4,674.35	48,940.19	46,020.45
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	190.59	4,646.03	180.85	299.27	5,966.72
Line transformer maintenance.....	147.34	58.35		37.58	1,349.53
Meter maintenance.....	116.87	485.09	13.50	177.32	1,008.74
Consumers' premises expenses.....	98.16	121.00		6.50	134.23
Street lighting, operation and main- tenance.....	110.97	506.16	23.14	350.97	3,509.33
Promotion of business.....		103.44		8.83	
Billing and collecting.....	411.07	1,274.90	263.31	907.61	2,405.30
General office, salaries and expenses..	122.07	2,574.72	27.98	910.01	2,759.45
Undistributed expenses.....	3.22	198.64	6.62	15.35	1,238.82
Truck operation and maintenance.....		383.20			498.05
Interest.....	28.41	468.48	46.41	139.82	1,663.91
Sinking fund and principal payments on debentures.....	396.60	1,943.93	294.26	732.02	6,097.28
Depreciation.....	987.00	4,057.00	369.00	1,453.00	6,434.00
Other reserves.....	1,200.00	117.50		1,000.00	8,000.00
Total operating costs and fixed charges.....	11,104.65	47,311.28	5,899.42	54,978.47	87,085.81
Net surplus.....	1,079.26	3,176.78	1,239.59	1,487.79	9,391.15
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	294	770	117	329	1,602
Commercial light service.....	57	162	24	44	237
Power service.....	6	62	2	9	29
Total.....	357	994	143	382	1,868

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Port Credit 1,728	Port Dalhousie 1,517	Port Dover 1,784	Port Rowan	Port Stanley 859	Preston 6,606	Princeton P.V.
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
18,515.56	20,148.10	10,562.14	2,931.80	16,404.17	36,095.34	2,663.38
7,744.84	4,196.14	5,436.71	2,229.69	4,865.98	20,199.76	920.41
4,216.89	7,578.88	5,286.20	107.76	3,134.47	62,368.81	2,202.81
1,254.45				907.61	1,242.04	
2,770.81	1,584.91	2,412.00	792.70	2,516.99	5,527.81	468.00
382.91	547.07	175.71	170.00	452.40	886.01	125.17
34,885.46	34,055.10	23,872.76	6,231.95	28,281.62	126,319.77	6,379.77
20,486.21	23,045.12	14,025.91	3,897.16	16,451.45	96,325.31	4,870.31
					4,937.76	
					21.30	
1,736.03	2,703.20	2,149.80	166.64	2,551.15	2,535.83	62.49
120.36	170.84	26.44	16.80	4.16	217.45	
901.15	466.50	758.64	2.40	468.54	1,018.13	10.13
689.90	138.31	26.12		180.00	542.13	
436.80	358.02	257.83	97.26	319.60	587.49	71.38
1,179.69	1,485.56	570.79	320.99	915.71	1,743.95	209.70
559.38	1,298.56	1,136.15	62.95	915.29	2,715.17	62.06
109.56	224.17	227.80	6.76	75.74	756.56	
	573.85	468.61		443.06	516.63	
109.58	30.93	6.16	282.95		827.67	31.45
342.16	411.29		676.08		3,665.87	199.48
2,251.00	1,396.00	1,932.00	497.00	1,839.00	10,778.00	299.00
2,500.00	100.00			2,000.00		
31,421.82	32,402.35	21,586.25	6,026.99	26,163.70	127,189.25	5,816.00
3,463.64	1,652.75	2,286.51	204.96	2,117.92		563.77
					869.48	
606	675	738	151	772	1,637	90
88	63	85	40	95	225	22
10	12	16	2	11	46	3
704	750	839	193	878	1,908	115

STATEMENT

Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Queenston	Richmond	Ridge-	Riverside	Rockwood
Population.....	P.V.	Hill 1,345	town 1,949	5,525	P.V.
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	3,634.77	10,644.76	9,060.20	42,087.09	4,329.90
Commercial light service.....	1,808.86	4,289.34	7,445.42	6,022.09	883.90
Commercial power service.....		1,872.67	5,648.19	3,398.80	28.43
Municipal power.....		379.45	1,182.87	3,797.34	
Street lighting.....	410.70	1,508.33	3,269.14	3,825.54	801.80
Merchandise.....			146.48	472.92	22.67
Miscellaneous.....	69.96	65.15	729.46	1,189.29	40.24
Total earnings.....	5,924.29	18,759.70	27,481.76	60,793.07	6,106.94
EXPENSES					
Power purchased.....	2,660.43	11,537.98	15,701.48	30,943.97	3,269.70
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	140.13	650.81	1,590.61	1,962.03	172.57
Line transformer maintenance.....	61.65	53.67	10.01	153.37	
Meter maintenance.....	7.50	28.15	441.65	906.64	46.42
Consumers' premises expenses.....	121.41	314.30	402.46	985.25	32.35
Street lighting, operation and maintenance.....	100.11	229.40	790.78	761.46	110.69
Promotion of business.....				50.00	
Billing and collecting.....	285.29	1,163.06	1,891.16	2,288.71	
General office, salaries and expenses..	269.08	312.77	958.56	3,388.36	630.42
Undistributed expenses.....	6.74	4.64	241.36	633.69	9.04
Truck operation and maintenance.....			713.50	493.46	
Interest.....	36.88	15.00	182.02	741.64	77.45
Sinking fund and principal payments on debentures.....	81.48	310.25	604.26	3,676.03	123.15
Depreciation.....	476.00	794.00	1,892.00	5,025.00	597.00
Other reserves.....		1,500.00	1,000.00		
Total operating costs and fixed charges.....	4,246.70	16,914.03	26,419.85	52,009.61	5,068.79
Net surplus.....	1,677.59	1,845.67	1,061.91	8,783.46	1,038.15
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	83	392	593	1,475	174
Commercial light service.....	15	74	136	60	26
Power service.....		13	19	14	1
Total.....	98	479	748	1,549	201



### "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1942

Rodney 721	St. Catharines 30,406	St. Clair Beach 145	St. George P.V.	St. Jacobs P.V.	St. Marys 4,017
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,260.84	177,614.95	2,887.99	3,271.44	4,055.25	27,706.35
2,343.80	102,655.24	2,374.86	1,517.01	1,789.58	10,166.69
2,041.18	459,166.24	182.49	2,520.16	4,479.27	21,841.59
1,222.87	27,344.71		480.66	421.45	3,004.98
79.00	1,944.26	210.94	216.92	229.06	4,855.00
8,947.69	768,725.40	5,656.28	8,006.19	10,974.60	497.76
5,602.12	565,506.23	3,007.65	5,063.79	7,949.64	68,072.37
	7,100.63				
435.05	18,560.28	173.80	128.47	22.96	42,276.13
88.92	650.87				2,029.32
	9,241.61	7.45	138.64	123.15	268.46
	1,643.47				
153.74	4,291.00		143.19	66.63	2,895.09
	493.07				90.16
334.81	16,819.00	293.08	494.21	404.70	1,389.82
527.06	11,307.26	130.20	128.14	213.43	2,509.62
16.86	5,689.56	1.62	9.14	15.92	1,226.01
	3,618.71				388.52
	7,580.00		61.26	5.95	974.42
	5,568.29		351.57		1,931.55
620.00	26,716.00	474.00	420.00	451.00	6,347.00
	55,000.00				1,100.00
7,778.56	739,785.98	4,087.80	6,938.41	9,253.37	67,128.09
1,169.13	28,939.42	1,568.48	1,067.78	1,721.23	944.28
239	8,327	97	161	137	1,020
71	1,046	6	32	29	164
6	208	1	1	7	38
316	9,581	104	194	173	1,222

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	St. Thomas	Sarnia	Scarborough Twp. V.A.	Seaforth
Population.....	17,789	17,911		1,691
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	135,326.67	99,174.35	128,402.23	11,389.85
Commercial light service.....	56,891.62	58,686.23	25,953.50	7,188.28
Commercial power service.....	61,243.27	210,800.73	19,159.80	7,147.62
Municipal power.....	7,811.56	4,482.71	15,460.99	724.09
Street lighting.....	14,711.01	17,963.03	15,582.98	2,096.00
Merchandise.....		1,049.71		18.31
Miscellaneous.....	3,767.19	10,856.95	947.12	92.48
Total earnings.....	279,751.32	403,013.71	205,506.62	28,656.63
<b>EXPENSES</b>				
Power purchased.....	190,397.51	293,466.10	104,941.04	21,283.34
Substation operation.....	10,138.12	13,086.77		
Substation maintenance.....	886.13	588.51	138.58	78.90
Distribution system, operation and maintenance.....	9,231.15	7,012.58	8,504.62	1,168.90
Line transformer maintenance.....	694.52	341.57	777.05	75.69
Meter maintenance.....	2,676.25	6,075.59	3,875.13	281.03
Consumers' premises expenses.....	9,431.51	1,556.41	1,611.73	535.56
Street lighting, operation and main- tenance.....	2,875.91	4,901.26	2,453.82	295.95
Promotion of business.....	3,354.83	647.04		
Billing and collecting.....	7,655.28	9,396.74	7,329.47	1,076.00
General office, salaries and expenses....	10,674.82	13,107.21	5,324.34	975.45
Undistributed expenses.....	5,323.50	7,359.66	1,653.34	129.08
Truck operation and maintenance.....		1,735.14	2,135.71	453.55
Interest.....		515.17	3,093.36	
Sinking fund and principal payments on debentures.....		2,850.50	11,069.77	
Depreciation.....	18,596.00	24,031.00	16,913.00	2,438.00
Other reserves.....		8,000.00	17,000.00	
Total operating costs and fixed charges.....	271,935.53	394,671.25	186,820.96	28,791.45
Net surplus.....	7,815.79	8,342.46	18,685.66	
Net loss.....				134.82
<b>NUMBER OF CONSUMERS</b>				
Domestic service.....	4,607	4,943	5,552	505
Commercial light service.....	599	621	371	104
Power service.....	82	86	38	19
Total.....	5,288	5,650	5,961	628

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Simcoe 5,955	Smithville P.V.	Springfield 417	Stamford Twp.	Stouffville 1,219	Stratford 16,880	Strathroy 2,873
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c
27,541.38	4,029.28	2,113.37	72,256.48	7,089.92	142,752.48	22,098.18
32,005.11	2,922.56	841.55	13,360.15	4,341.10	55,855.09	12,043.10
26,651.53	2,700.81	875.72	14,681.08	1,143.31	61,050.44	13,207.58
1,750.62	.....	.....	2,222.67	.....	9,482.76	1,819.14
5,140.12	1,205.89	578.77	8,132.58	1,414.66	16,767.20	4,330.13
.....	.....	.....	1,577.82	.....	102.86	77.03
2,631.28	128.23	87.50	1,244.11	550.00	8,788.18	900.00
95,720.04	10,986.77	4,496.91	113,474.89	14,538.99	294,799.01	54,475.16
63,153.11	5,011.09	2,152.58	45,374.21	8,741.99	182,990.25	38,842.13
801.66	.....	.....	864.09	.....	6,402.69	495.11
.....	.....	.....	.....	.....	1,641.86	.....
5,078.17	766.33	59.77	8,501.40	586.25	9,219.49	993.87
404.61	.....	.....	552.95	.....	477.93	311.84
1,438.22	29.00	.....	2,465.73	267.10	3,390.10	734.88
317.02	8.40	.....	2,583.66	74.00	7,622.33	1,658.23
1,302.66	209.07	62.95	823.43	190.65	3,424.00	719.64
7.88	.....	.....	162.33	.....	1,752.86	125.24
2,764.40	626.07	472.30	3,485.75	784.25	7,592.77	829.61
3,010.47	173.01	100.27	4,881.99	421.12	9,048.65	2,439.19
262.45	23.76	.....	1,710.79	.....	3,948.59	509.68
638.65	.....	.....	2,187.69	.....	1,873.82	606.63
1,288.97	311.68	103.47	3,710.75	.....	11,550.00	1,023.60
4,672.93	736.29	273.11	9,685.91	.....	4,897.53	2,301.38
5,394.00	637.00	425.00	9,228.00	768.00	28,259.00	4,404.00
2,500.00	.....	.....	10,000.00	.....	8,100.00	100.00
93,035.20	8,531.70	3,649.45	106,218.68	11,833.36	292,191.87	56,095.03
2,684.84	2,455.07	847.46	7,256.21	2,705.63	2,607.14	.....
.....	.....	.....	.....	.....	.....	1,619.87
1,643	184	112	2,430	403	4,484	835
384	54	30	163	90	585	175
42	5	3	20	7	115	32
2,069	243	145	2,613	500	5,184	1,042



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Streets- ville 708	Sutton 909	Swansea 6,872	Tavistock 1,092	Tecumseh 2,570
Population.....					
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	5,484.61	8,370.76	74,305.80	8,620.17	15,869.28
Commercial light service.....	2,008.54	3,737.79	10,109.78	4,123.66	5,580.32
Commercial power service.....	4,973.24	1,157.48	24,914.12	8,783.26	2,555.34
Municipal power.....			2,636.92	427.27	
Street lighting.....	1,481.50	2,072.32	5,851.71	1,284.82	1,365.39
Merchandise.....				16.77	
Miscellaneous.....	547.87	152.56	1,239.59	180.00	358.69
Total earnings.....	14,495.76	15,490.91	119,057.92	23,435.95	25,729.02
<b>EXPENSES</b>					
Power purchased.....	5,881.66	8,034.71	76,288.29	17,226.96	12,109.32
Substation operation.....	1,220.44				
Substation maintenance.....					
Distribution system, operation and maintenance.....	734.88	210.55	2,717.59	973.87	1,270.97
Line transformer maintenance.....	47.80		81.39		78.24
Meter maintenance.....	15.00	556.30	903.20	155.88	628.19
Consumers' premises expenses.....		6.00	910.80	260.73	346.13
Street lighting, operation and main- tenance.....	17.03	95.95	468.92	470.71	491.08
Promotion of business.....			1.65		
Billing and collecting.....	641.47	553.57	4,194.45	951.72	919.25
General office, salaries and expenses..	526.85	299.79	3,197.83	484.95	1,466.73
Undistributed expenses.....	36.46	42.40	452.59	51.60	115.73
Truck operation and maintenance.....		275.28	531.58		322.27
Interest.....	532.63	136.42	2,772.11	84.50	32.71
Sinking fund and principal payments on debentures.....	595.76	1,180.28	3,423.09	305.82	594.89
Depreciation.....	1,055.00	1,237.00	5,669.00	1,266.00	1,953.00
Other reserves.....	1,500.00	1,559.03	115.92		2,700.00
Total operating costs and fixed charges.....	12,804.98	14,187.28	101,728.41	22,232.74	23,028.51
Net surplus.....	1,690.78	1,303.63	17,329.51	1,203.21	2,700.51
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	201	457	2,158	298	682
Commercial light service.....	50	78	81	96	52
Power service.....	6	3	16	9	2
Total.....	257	538	2,255	403	736

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Thamesford P.V.	Thames- ville 792	Thedford 566	Thorndale P.V.	Thorold 5,284	Tilbury 1,965	Tillsonburg 3,981
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,570.45	3,477.67	3,315.61	1,789.12	21,931.50	7,263.96	19,550.44
1,466.11	3,161.23	2,659.52	741.86	8,780.73	7,376.00	17,979.58
1,622.51	1,991.13	1,202.90	1,169.15	38,620.20	27,900.50	12,634.49
.....	.....	.....	.....	1,849.65	225.00	1,582.03
505.96	1,233.77	1,065.00	374.43	3,428.06	1,756.87	4,963.83
.....	.....	.....	.....	.....	4.56	794.13
293.84	374.56	195.00	56.67	1,962.97	795.16	105.04
.....	.....	.....	.....	.....	.....	.....
7,458.87	10,238.36	8,438.03	4,131.23	76,573.11	45,322.05	57,609.54
.....	.....	.....	.....	.....	.....	.....
6,325.45	5,989.16	4,011.89	2,630.75	50,306.48	37,575.60	34,620.65
.....	.....	.....	.....	3,928.66	.....	1,080.14
.....	.....	.....	.....	.....	.....	.....
398.52	505.97	213.21	69.91	2,111.56	1,136.56	3,701.19
.....	.....	7.03	3.15	3.03	62.41	209.33
.60	134.44	129.95	5.50	464.08	257.98	537.51
175.39	.....	22.24	.....	247.91	7.00	15.05
.....	.....	.....	.....	.....	.....	.....
143.81	125.95	62.65	31.84	900.90	194.77	494.35
.....	.....	.....	.....	.....	19.90	.....
333.98	380.67	243.72	184.61	1,710.38	649.90	2,385.13
163.21	283.40	86.11	77.10	1,433.56	1,204.09	4,262.60
1.90	49.01	6.98	.....	185.81	175.97	113.49
.....	.....	.....	.....	635.46	263.91	500.69
20.63	.....	.....	27.57	.....	118.21	386.56
.....	.....	.....	.....	.....	.....	.....
178.30	.....	.....	135.06	.....	609.98	349.26
.....	.....	.....	.....	.....	.....	.....
551.00	981.00	570.00	346.00	3,890.00	1,785.00	4,030.00
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	200.00	.....	.....	2,500.00
.....	.....	.....	.....	.....	.....	.....
8,292.79	8,449.60	5,353.78	3,711.49	65,817.83	44,061.28	55,185.95
.....	.....	.....	.....	.....	.....	.....
.....	1,788.76	3,084.25	419.74	10,755.28	1,260.77	2,423.59
.....	.....	.....	.....	.....	.....	.....
833.92	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
141	237	166	75	1,247	498	1,204
41	80	46	22	164	125	240
6	6	2	2	16	14	35
.....	.....	.....	.....	.....	.....	.....
188	323	214	99	1,427	637	1,479

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

NIAGARA  
SYSTEM—Continued

Municipality.....	Toronto	Toronto Twp. V.A.	Trafalgar Twp. V.A. No. 1	Trafalgar Twp. V.A. No. 2
Population.....	655,751			
<b>EARNINGS</b>	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,213,003.73	80,728.43	14,803.07	5,154.50
Commercial light service.....	2,742,352.50	16,389.56	469.74	757.36
Commercial power service.....	4,952,771.71	12,520.95	477.55	211.78
Municipal power.....	1,378,507.01			
Street lighting.....	428,251.82	5,137.86		
Merchandise.....				
Miscellaneous.....	281,094.75	2,648.19	651.72	326.50
Total earnings.....	13,995,981.52	117,424.99	16,402.08	6,450.14
<b>EXPENSES</b>				
Power purchased.....	7,674,462.52	70,945.27	9,931.63	4,133.52
Substation operation.....	228,574.86			
Substation maintenance.....	260,159.44			
Distribution system, operation and maintenance.....	355,381.15	6,824.71	2,567.65	414.87
Line transformer maintenance.....	56,550.24	624.09	12.86	26.13
Meter maintenance.....	114,630.23	1,682.65	122.91	28.10
Consumers' premises expenses.....	231,663.02	1,264.87		
Street lighting, operation and main- tenance.....	123,101.23	652.60		
Promotion of business.....	135,167.01			
Billing and collecting.....	448,102.60	5,994.94		
General office, salaries and expenses.....	333,517.82	7,758.71	1,443.72	614.34
Undistributed expenses.....	275,648.81	473.15	112.41	14.08
Truck operation and maintenance.....		2,332.40	608.09	
Interest.....	601,356.53	799.91	179.00	230.14
Sinking fund and principal payments on debentures.....	1,077,481.59	1,292.07	1,503.63	817.88
Depreciation.....	1,156,739.37	13,082.00	1,647.00	500.00
Other reserves.....		1,800.00		
Total operating costs and fixed charges.....	13,072,536.42	115,527.37	18,128.90	6,779.06
Net surplus.....	923,445.10	1,897.62		
Net loss.....			1,726.82	328.92
<b>NUMBER OF CONSUMERS</b>				
Domestic service.....	152,159	2,795	378	154
Commercial light service.....	22,944	184	2	17
Power service.....	5,075	29	6	2
Total.....	180,178	3,008	386	173



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Wallaceburg	Wardsville	Waterdown	Waterford	Waterloo	Watford	Welland
4,976	205	841	1,261	8,885	1,054	12,838
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
22,745.06	1,549.17	5,754.25	6,925.71	72,250.77	7,695.75	61,278.96
15,390.29	882.67	1,576.08	3,557.96	28,301.39	3,732.08	43,619.36
80,951.53	50.11	1,254.11	6,555.81	57,431.45	4,468.82	246,129.15
1,960.17	.....	102.58	237.27	3,918.93	296.38	2,484.14
4,848.62	649.34	1,052.07	1,582.80	7,872.39	1,576.23	12,649.84
3,755.51	.....	.....	.....	.....	163.00	.....
1,146.52	97.40	179.88	303.94	2,666.51	272.52	7,195.49
130,797.70	3,228.69	9,918.97	19,163.49	172,441.44	18,204.78	373,356.94
95,682.66	1,150.11	5,841.63	13,325.35	124,702.39	10,816.93	229,695.31
364.00	.....	.....	.....	1,573.33	.....	7,884.10
.....	.....	.....	.....	496.62	.....	621.49
3,249.87	223.99	636.35	1,320.18	4,792.97	1,122.38	5,536.77
501.58	.....	.....	93.35	740.42	61.57	4,596.00
1,000.20	59.53	115.99	187.68	1,443.23	133.32	3,995.89
36.51	18.79	.....	.....	642.00	197.51	1,668.98
575.06	89.69	195.49	405.54	1,030.54	160.45	2,014.78
2,176.45	115.08	576.30	866.23	3,919.75	599.66	96.79
4,178.59	64.13	163.80	377.76	2,720.39	697.39	5,655.48
1,005.29	.....	39.17	56.15	241.09	39.09	11,183.14
826.56	.....	.....	.....	603.12	166.60	740.79
1,285.82	.....	.....	.....	.....	.....	1,450.91
4,486.24	.....	.....	.....	.....	.....	6,608.31
6,450.00	334.00	977.00	1,313.00	12,355.00	1,165.00	6,949.39
4,500.00	.....	.....	.....	.....	.....	18,407.53
126,318.83	2,055.32	8,545.73	17,945.24	155,260.85	15,159.90	307,105.66
4,478.87	1,173.37	1,373.24	1,218.25	17,180.59	3,044.88	66,251.28
1,279	59	268	393	2,210	309	3,209
243	20	31	71	248	72	448
41	1	7	15	72	7	95
1,563	80	306	479	2,530	388	3,752

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

**NIAGARA  
SYSTEM—Concluded**

Municipality.....	Wellesley	West Lorne	Weston	Wheatley	Windsor
Population.....	P.V.	790	5,784	758	107,424
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	2,513.44	3,350.88	57,256.80	3,911.98	731,270.00
Commercial light service.....	1,663.05	2,776.53	13,102.59	3,075.29	414,694.80
Commercial power service.....	1,131.94	4,590.38	65,608.24	2,592.00	788,697.32
Municipal power.....			582.27	543.70	19,790.83
Street lighting.....	640.23	1,027.68	7,543.50	1,754.81	106,805.31
Merchandise.....					14,378.17
Miscellaneous.....	141.76	168.45	5.08	409.70	35,213.89
Total earnings.....	6,090.42	11,913.92	144,098.48	12,287.48	2,110,850.32
<b>EXPENSES</b>					
Power purchased.....	3,172.73	7,671.22	105,925.72	6,657.83	1,235,902.67
Substation operation.....					39,398.87
Substation maintenance.....			409.47		21,077.63
Distribution system, operation and maintenance.....	127.45	332.63	6,205.81	713.51	51,579.50
Line transformer maintenance.....	4.50	40.01	225.14		12,234.44
Meter maintenance.....	262.80	218.21	769.31	133.96	26,039.10
Consumers' premises expenses.....		46.48	2,248.52	62.54	50,715.29
Street lighting, operation and main- tenance.....	65.40	122.79	1,209.77	279.34	31,917.90
Promotion of business.....				5.84	7,169.10
Billing and collecting.....	256.47	688.91	1,678.96	493.66	53,844.90
General office, salaries and expenses..	282.45	258.75	3,543.30	141.54	47,221.08
Undistributed expenses.....	13.37	3.07	418.60	77.38	23,191.78
Truck operation and maintenance.....			460.33		
Interest.....			979.96	135.06	34,435.57
Sinking fund and principal payments on debentures.....			3,764.49	977.36	113,901.71
Depreciation.....	450.00	899.00	6,991.00	872.00	141,690.00
Other reserves.....					100,000.00
Total operating costs and fixed charges.....	4,635.17	10,281.07	134,830.38	10,550.02	1,990,319.54
Net surplus.....	1,455.25	1,632.85	9,268.10	1,737.46	120,530.78
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	135	222	1,610	236	26,097
Commercial light service.....	46	52	180	71	3,111
Power service.....	4	8	31	6	494
Total.....	185	282	1,821	313	29,702

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Woodbridge 1,032	Woodstock 12,125	Wyoming 554	York Twp.	Zurich P.V.	NIAGARA SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
8,385.92	83,131.42	2,625.66	547,611.58	3,690.41	11,532,881.65
2,308.93	48,864.26	1,483.62	79,066.94	3,028.39	5,868,096.27
10,089.39	110,346.36	204.42	174,405.92		13,386,154.69
751.83	3,809.44		7,563.26		1,826,782.35
1,021.94	8,842.49	780.00	46,721.68	679.34	1,371,676.15
					37,143.23
149.92	2,857.74	19.50	1,643.06	205.03	573,071.53
22,707.93	257,851.71	5,113.20	857,012.44	7,603.17	34,595,805.87
15,976.81	202,652.41	2,831.61	475,131.02	4,354.12	21,345,223.86
	3,722.69		2,245.60		474,392.36
	42.92		353.58		339,289.48
567.48	5,527.43	316.16	12,394.45	363.52	846,541.22
	4.10		5,280.94		117,600.83
331.41	5,043.01	70.54	13,805.80	60.80	345,226.24
341.69	2,817.03		9,967.97		451,690.31
103.39	1,930.77	150.15	8,682.40	72.53	295,175.05
	505.94				183,545.34
	4,169.79	237.08	37,013.59	242.21	931,380.78
751.46	4,584.21	122.26	32,699.37	107.14	827,131.26
6.56	1,953.40	12.86	3,052.03	5.77	457,124.60
	1,267.64				63,008.93
252.05			5,402.98	107.16	847,933.72
472.09			14,944.44	282.84	1,854,058.37
1,112.00	17,211.00	527.00	56,163.00	549.00	2,374,355.22
1,500.00	5,000.00				455,929.14
21,414.94	256,432.34	4,267.66	677,137.17	6,145.09	32,209,606.71
1,292.99	1,419.37	845.54	179,875.27	1,458.08	2,386,199.16
308	3,372	159	21,316	148	435,812
47	462	44	996	46	57,577
8	97	2	169		11,123
363	3,931	205	22,481	194	504,512



STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM

Municipality.....	Alliston	Arthur	Barrie	Beaverton	Beeton
Population.....	1,590	1,043	9,994	904	634
<b>EARNINGS</b>					
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	12,236.99	5,719.68	83,499.35	6,847.12	3,617.06
Commercial light service.....	8,783.18	4,673.79	48,375.53	2,575.56	2,306.86
Commercial power service.....	2,973.14	1,078.48	25,246.14	1,067.59	3,295.97
Municipal power.....	769.72	433.25	1,711.74		
Street lighting.....	1,959.66	1,371.76	6,087.64	1,301.33	1,231.78
Merchandise.....			81.10		
Miscellaneous.....	240.04	30.00	202.53	320.08	96.58
Total earnings.....	26,962.73	13,306.96	165,204.03	12,111.68	10,548.25
<b>EXPENSES</b>					
Power purchased.....	14,909.16	8,053.77	124,799.31	9,096.20	6,717.77
Substation operation.....			678.47		
Substation maintenance.....			579.12		
Distribution system, operation and maintenance.....	1,170.21	738.31	5,864.98	522.63	258.07
Line transformer maintenance.....		13.50	126.48		
Meter maintenance.....	576.27	104.90	833.06	53.29	43.16
Consumers' premises expenses.....	485.20		238.96		
Street lighting, operation and maintenance.....	426.20	269.10	1,403.76	158.93	104.66
Promotion of business.....	12.65		216.30		
Billing and collecting.....	810.74		5,820.66	967.58	142.94
General office, salaries and expenses..	480.64	637.96	2,683.38	586.67	118.73
Undistributed expenses.....	152.00	22.57	363.99		
Truck operation and maintenance.....			968.06		
Interest.....	750.00	578.85	646.19	69.99	284.15
Sinking fund and principal payments on debentures.....	1,679.39	1,207.00	2,018.89	590.04	693.46
Depreciation.....	1,798.00	1,328.00	9,956.98	1,520.00	795.00
Other reserves.....	2,000.00		5,259.09		
Total operating costs and fixed charges.....	25,250.46	12,953.96	162,457.68	13,565.33	9,157.94
Net surplus.....	1,712.27	353.00	2,746.35		1,390.31
Net loss.....				1,453.65	
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	400	225	2,381	317	139
Commercial light service.....	107	78	404	64	31
Power service.....	15	8	46	7	5
Total.....	522	311	2,831	388	175

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Bradford 947	Brechin P.V.	Cannington 762	Chatsworth 325	Chesley 1,771	Coldwater 563	Collingwood 5,808
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
6,846.92	1,550.91	5,387.70	2,302.14	9,914.84	3,579.07	34,519.97
4,544.30	601.21	2,210.06	1,131.20	5,883.63	1,315.65	16,081.92
4,157.82	783.00	2,595.71	.....	6,104.50	644.95	36,267.15
451.03	.....	.....	.....	916.40	.....	1,683.40
1,074.22	476.00	1,182.58	533.00	2,327.04	865.57	3,687.75
.....	.....	34.57	.....	52.40	.....	.....
274.95	15.00	63.71	50.65	.....	187.62	1,097.11
17,349.24	3,426.12	11,474.33	4,016.99	25,198.81	6,592.86	93,337.30
.....	.....	.....	.....	.....	.....	.....
9,725.37	1,988.15	6,755.59	2,806.34	18,992.68	4,467.42	82,415.75
.....	.....	.....	.....	.....	.....	309.30
.....	.....	.....	.....	.....	.....	.....
1,470.42	212.44	573.02	51.36	509.94	334.79	2,952.09
.....	.....	.....	.....	41.90	.....	13.82
174.58	.....	163.32	46.00	168.91	132.70	520.94
.....	.....	.....	.....	540.33	7.81	16.40
.....	.....	.....	.....	.....	.....	.....
318.63	92.98	161.09	36.65	216.46	207.25	220.88
.....	.....	.....	.....	415.90	.....	.....
559.40	.....	501.55	.....	614.50	576.65	2,118.35
331.27	315.57	452.33	344.44	665.07	182.00	1,140.37
118.50	0.87	.....	16.00	51.60	.....	535.89
223.29	.....	.....	.....	68.78	.....	309.37
590.06	157.43	122.52	.....	19.20	48.95	.....
.....	.....	.....	.....	.....	.....	.....
1,428.97	157.74	703.14	.....	.....	432.74	.....
.....	.....	.....	.....	.....	.....	.....
1,237.00	174.00	982.00	362.00	1,635.00	772.00	5,330.00
.....	.....	.....	.....	.....	.....	.....
.....	30.00	525.00	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
16,177.49	3,129.18	10,939.56	3,662.79	23,940.27	7,162.31	95,883.16
1,171.75	296.94	534.77	354.20	1,258.54	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	569.45	2,545.86
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
269	58	247	98	457	157	1,573
74	22	65	30	90	51	208
11	3	10	.....	20	2	46
354	83	322	128	567	210	1,827

STATEMENT

Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Cookstown	Creemore	Dundalk	Durham	Elmvale
Population.....	P.V.	666	688	1,959	P.V.
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	2,461.34	3,593.41	3,535.78	7,323.28	3,822.88
Commercial light service.....	1,461.28	1,521.77	3,335.71	4,889.93	1,637.42
Commercial power service.....	1,218.20	1,279.24	3,217.83	3,842.00	2,766.05
Municipal power.....				647.14	273.00
Street lighting.....	855.00	756.00	1,031.80	1,577.22	696.86
Merchandise.....				3.17	
Miscellaneous.....	188.20	150.00	165.00	400.54	204.95
Total earnings.....	6,184.02	7,300.42	11,286.12	18,683.28	9,401.16
EXPENSES					
Power purchased.....	3,430.34	5,067.36	8,182.85	14,846.82	6,246.66
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	184.97	677.47	709.08	877.45	302.32
Line transformer maintenance.....				83.84	
Meter maintenance.....	48.24	71.12	40.86	236.03	52.80
Consumers' premises expenses.....		14.94		64.92	26.26
Street lighting, operation and maintenance.....	145.10	55.65	156.48	244.22	145.36
Promotion of business.....					
Billing and collecting.....	298.37	245.04		728.62	392.90
General office, salaries and expenses..	105.43	59.97	884.79	864.21	215.90
Undistributed expenses.....	9.38		13.22	80.79	
Truck operation and maintenance.....				381.81	
Interest.....	229.39	4.02			21.71
Sinking fund and principal payments on debentures.....	498.56				433.65
Depreciation.....	692.00	561.00	644.00	1,506.00	814.00
Other reserves.....					
Total operating costs and fixed charges.....	5,641.78	6,756.57	10,631.28	19,914.71	8,651.56
Net surplus.....	542.24	543.85	654.84		749.60
Net loss.....				1,231.43	
NUMBER OF CONSUMERS					
Domestic service.....	112	168	203	468	196
Commercial light service.....	34	49	72	102	49
Power service.....	3	3	6	12	6
Total.....	149	220	281	582	251



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Elmwood P.V.	Flesherton 458	Grand Valley 692	Gravenhurst 2,303	Hanover 3,318	Holstein P.V.	Huntsville 2,909
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1 192.31	2 052.94	3 685.67	11 341.26	22,178.27	1,063.67	14,221.81
697.52	1,655.53	2,379.27	12,392.52	8,791.57	678.63	11,392.52
1,249.75	762.15	2,287.17	14,642.54	22,500.87	273.93	14,136.75
.....	.....	.....	887.16	298.03	.....	1,222.85
385.76	662.38	890.00	2,075.34	2,328.24	287.50	2,596.75
.....	.....	.....	376.76	20.57	.....	.....
114.10	183.02	211.53	27.50	1,427.97	105.00	259.55
3,639.44	5,316.02	9,453.64	41,743.08	57,545.52	2,408.73	43,830.23
2,322.06	2,374.53	5,515.60	26,983.19	43,637.40	1,041.64	33,476.94
.....	.....	.....	25.00	.....	.....	.....
91.56	222.33	244.35	3,500.36	2,252.31	42.48	2,248.87
.....	.....	.....	.....	84.10	.....	27.50
69.60	118.50	111.15	129.74	419.32	.....	577.32
.....	18.00	.....	236.20	135.36	.....	127.24
21.40	131.02	38.86	355.46	233.06	24.00	597.63
.....	.....	.....	.....	.....	.....	263.97
.....	.....	.....	1,105.32	1,755.44	.....	1,534.75
187.93	489.15	758.99	798.97	1,115.73	180.66	1,827.27
5.89	1.31	16.48	578.60	348.47	.....	836.57
.....	.....	.....	497.37	304.99	.....	163.17
4.59	63.43	.....	.....	.....	.....	.....
.....	294.35	.....	.....	.....	.....	.....
299.00	445.00	803.00	3,087.00	4,648.91	170.00	1,790.00
.....	.....	1,000.00	2,200.00	1,500.00	.....	159.03
3,002.03	4,157.62	8,488.43	39,497.21	56,435.09	1,458.78	43,630.26
637.41	1,158.40	965.21	2,245.87	1,110.43	949.95	199.97
.....	.....	.....	.....	.....	.....	.....
67	132	181	524	805	52	734
19	47	54	118	136	20	133
1	2	6	15	25	2	16
87	181	241	657	966	74	883

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Kin- cardine 2,254	Kirkfield P.V.	Lucknow 964	Markdale 781	Meaford 2,676
Population.....					
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	16,038.37	936.13	6,034.78	3,858.25	14,326.52
Commercial light service.....	8,588.28	985.68	5,288.19	3,174.91	8,889.96
Commercial power service.....	10,677.60		7,175.28	2,253.69	8,817.17
Municipal power.....	1,484.82		481.28	262.00	996.31
Street lighting.....	4,367.46	432.00	1,501.17	972.70	3,332.91
Merchandise.....				5.89	9.48
Miscellaneous.....	288.14		70.00	191.03	212.94
Total earnings.....	41,444.67	2,353.81	20,550.70	10,718.47	36,585.29
<b>EXPENSES</b>					
Power purchased.....	26,703.22	1,320.25	13,660.76	6,411.13	23,803.66
Substation operation.....	325.80				
Substation maintenance.....					
Distribution system, operation and maintenance.....	2,358.49	163.39	517.21	158.92	2,170.15
Line transformer maintenance.....	151.88				50.08
Meter maintenance.....	294.07		181.98	102.15	428.03
Consumers' premises expenses.....	233.85				122.50
Street lighting, operation and main- tenance.....	391.40	26.93	172.47	43.93	353.43
Promotion of business.....	12.08				
Billing and collecting.....	1,016.67				808.40
General office, salaries and expenses..	896.70	209.20	1,317.59	687.16	892.70
Undistributed expenses.....	321.97				398.21
Truck operation and maintenance...	239.38				251.29
Interest.....	96.25		60.95	135.94	251.58
Sinking fund and principal payments on debentures.....	1,586.34		807.00	517.90	4,886.82
Depreciation.....	3,077.00	299.00	1,144.00	832.00	1,899.00
Other reserves.....	1,800.00		1,350.00		
Total operating costs and fixed charges.....	39,505.10	2,018.77	19,211.96	8,889.13	36,315.85
Net surplus.....	1,939.57	335.04	1,338.74	1,829.34	269.44
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	701	34	272	220	744
Commercial light service.....	116	19	87	68	149
Power service.....	16		7	9	18
Total.....	833	53	366	297	911

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Midland 6,475	Mildmay 779	Mount Forest 1,936	Neustadt 414	Orangeville 2,552	Owen Sound 13,503	Paisley 715
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
37,362.20	3,916.33	9,233.46	2,294.18	16,074.54	66,554.21	4,089.96
19,394.49	2,787.21	8,654.14	1,198.24	10,049.99	52,641.55	2,539.53
71,192.57	1,065.87	5,423.28	1,729.33	6,405.64	64,428.29	917.96
2,948.83		998.40		1,096.42		
6,240.09	624.73	2,219.94	686.52	2,484.38	12,160.50	1,154.35
649.70				5.48	100.12	
2,005.44	175.98	222.15	291.65	546.54	125.03	137.90
139,793.32	8,570.12	26,751.37	6,199.92	36,662.99	196,009.70	8,839.70
127,518.19	4,771.99	20,686.29	1,833.58	29,451.51	163,909.78	4,992.41
2,563.99					4,110.53	
168.60						
4,134.81	135.67	689.28	344.02	1,000.28	3,407.74	549.02
126.80			8.90	61.64	586.65	
636.38	97.05	215.20	69.70	453.46	2,853.81	134.50
420.92	135.52			213.00	7.70	
764.36	87.40	284.30	152.81	520.80	1,409.13	87.31
3.55						
2,034.24		583.56		1,355.74	5,045.85	
1,695.99	519.62	243.91	382.16	646.30	6,730.72	568.04
1,003.46		28.69		98.85	2,783.83	10.62
541.98		149.11			1,147.29	
	411.45	277.50		3.00	145.21	135.95
	633.33	1,027.17				1,202.92
13,439.00	329.00	1,799.00	778.00	2,706.00	9,789.00	661.00
155,052.27	7,121.03	25,984.01	3,569.17	36,510.58	201,927.24	8,341.77
	1,449.09	767.36	2,630.75	152.41		497.93
15,258.95					5,917.54	
1,694	172	463	104	750	3,549	199
196	54	141	25	150	528	50
54	2	16	2	25	104	4
1,944	228	620	131	925	4,181	253



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Penetan- guishene 4,037	Port Elgin 2,061	Port McNicoll 964	Port Perry 1,230	Priceville P.V.
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	13,306.04	11,716.07	4,193.71	8,355.87	721.86
Commercial light service.....	8,759.76	5,987.90	727.40	3,267.53	226.42
Commercial power service.....	19,709.04	3,424.53	54.50	2,400.29	107.14
Municipal power.....	2,020.53	774.06	.....	384.10	.....
Street lighting.....	2,291.92	2,520.54	951.45	1,710.00	480.00
Merchandise.....	66.30	.....	.....	.....	.....
Miscellaneous.....	98.08	263.56	21.40	375.00	19.99
Total earnings.....	46,251.67	24,686.66	5,948.46	16,492.79	1,555.41
EXPENSES					
Power purchased.....	31,992.96	19,096.87	3,035.50	11,523.79	465.25
Substation operation.....	.....	.....	.....	.....	.....
Substation maintenance.....	146.23	.....	.....	.....	.....
Distribution system, operation and maintenance.....	2,430.82	751.21	561.47	819.20	2.35
Line transformer maintenance.....	210.67	16.49	.....	.....	.....
Meter maintenance.....	666.37	163.13	43.98	344.73	.....
Consumers' premises expenses.....	72.89	171.07	.....	.....	.....
Street lighting, operation and main- tenance.....	233.20	221.14	96.38	168.47	12.35
Promotion of business.....	.....	.....	.....	.....	.....
Billing and collecting.....	1,300.27	714.03	594.97	881.15	.....
General office, salaries and expenses..	1,169.38	313.58	250.28	489.74	96.95
Undistributed expenses.....	168.60	30.31	56.75	.....	.....
Truck operation and maintenance....	411.49	132.22	.....	.....	.....
Interest.....	43.96	1,198.72	.....	439.85	.....
Sinking fund and principal payments on debentures.....	799.21	2,172.48	.....	1,262.89	.....
Depreciation.....	3,971.00	1,244.00	510.00	1,168.00	272.00
Other reserves.....	1,300.00	.....	.....	.....	.....
Total operating costs and fixed charges.....	44,917.05	26,225.25	5,149.33	17,097.82	848.90
Net surplus.....	1,334.62	.....	799.13	.....	706.51
Net loss.....	.....	1,538.59	.....	605.03	.....
NUMBER OF CONSUMERS					
Domestic service.....	728	491	234	376	34
Commercial light service.....	107	105	20	75	8
Power service.....	22	6	1	11	1
Total.....	857	602	255	462	43

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Ripley 402	Rosseau 233	Shelburne 1,050	Southamp- ton 1,561	Stayner 1,150	Sunderland P.V.	Tara 490
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
3,359.72	2,897.35	5,857.49	10,871.80	5,559.02	3,012.10	3,402.37
1,792.58	828.91	3,847.21	5,486.22	3,553.21	1,455.62	1,436.59
1,597.22		2,875.38	7,785.48	2,544.29	294.93	1,379.20
		309.96	1,203.58	105.08		
1,086.70	1,410.00	862.30	2,467.68	1,179.00	708.92	927.00
65.71	30.00	302.45	31.02	114.58	30.00	113.28
7,901.93	5,166.26	14,054.79	27,845.78	13,055.18	5,501.57	7,258.44
5,170.68	1,916.90	9,858.94	20,883.01	10,119.91	3,274.32	4,150.46
84.34	199.60	371.48	1,159.33	709.52	413.99	387.26
		210.72	309.18	219.33	47.02	13.90
			206.05			
45.12	84.00	175.46	178.47	188.50	141.47	177.74
	248.37	625.25	1,076.26	731.59	337.63	
488.84	67.28	147.90	644.93	315.25	272.13	670.98
		4.83	55.81	13.75		
393.12	574.62		101.83			
			608.61		2.24	
645.01	563.27		1,706.93			
624.00	340.00	1,318.00	1,316.00	1,211.00	407.00	771.00
	50.00					
7,451.11	4,044.04	12,712.58	28,246.41	13,508.85	4,895.80	6,171.34
450.82	1,122.22	1,342.21			605.77	1,087.10
			400.63	453.67		
116	70	302	550	313	136	157
46	14	81	97	94	35	34
1		13	12	15	2	5
163	84	396	659	422	173	196

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

GEORGIAN BAY  
SYSTEM—Continued

Municipality.....	Teeswater	Thornton	Totten- ham	Uxbridge	Victoria Harbour
Population.....	843	P.V.	476	1,366	991
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,806.05	1,640.27	3,926.71	9,242.50	3,654.57
Commercial light service.....	2,803.23	441.94	1,398.07	4,468.45	922.55
Commercial power service.....	912.45	286.10	1,474.11	2,617.88	112.19
Municipal power.....	180.00		184.67		
Street lighting.....	982.52	475.00	882.00	1,719.97	663.00
Merchandise.....				24.21	
Miscellaneous.....	143.39	7.50	16.37	14.70	37.50
Total earnings.....	9,827.64	2,850.81	7,881.93	18,087.71	5,389.81
EXPENSES					
Power purchased.....	5,561.81	1,366.59	5,020.25	12,682.28	2,837.42
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	249.06	94.95	298.80	697.20	274.94
Line transformer maintenance.....					
Meter maintenance.....	88.38		36.35	321.21	115.60
Consumers' premises expenses.....	87.27			46.82	
Street lighting, operation and main- tenance.....	104.48	22.51	114.20	135.65	129.65
Promotion of business.....					
Billing and collecting.....			292.36	674.54	674.13
General office, salaries and expenses..	675.32	117.74	186.58	494.75	383.66
Undistributed expenses.....				49.48	
Truck operation and maintenance....					
Interest.....			221.49		
Sinking fund and principal payments on debentures.....			609.52		
Depreciation.....	1,000.00	424.00	586.00	959.00	617.00
Other reserves.....	1,000.00			1,000.00	
Total operating costs and fixed charges.....	8,766.32	2,025.79	7,355.55	17,060.93	5,032.40
Net surplus.....	1,061.32	825.02	526.38	1,026.78	357.41
Net loss.....					
NUMBER OF CONSUMERS					
Domestic service.....	231	67	142	399	260
Commercial light service.....	55	11	39	94	28
Power service.....	3	2	8	11	1
Total.....	289	80	189	504	289



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Walkerton 2,617	Waubau- shene P.V.	Wiarton 1,704	Winder- mere 118	Wingham 2,061	Woodville 427	GEORGIAN BAY SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
18,429.08	3,313.41	7,727.07	2,651.05	13,050.79	2,247.66	577,155.86
11,189.87	598.78	7,987.66	1,250.23	8,824.92	944.36	351,708.14
9,885.95	56.95	2,467.52	135.85	9,894.60	571.17	403,064.38
535.28	130.38	1,560.62	.....	1,278.06	.....	26,228.10
2,882.03	482.00	2,199.37	325.00	3,496.86	638.32	103,759.51
868.92	.....	.....	.....	677.62	.....	2,976.29
90.00	.....	444.28	61.91	.....	218.44	12,781.59
43,881.13	4,581.52	22,386.52	4,424.04	37,222.85	4,619.95	1,477,673.87
29,398.42	3,116.72	11,616.18	1,368.63	22,621.64	2,804.60	1,088,798.80
.....	.....	.....	.....	1,843.73	.....	9,522.52
.....	.....	.....	.....	.....	.....	1,228.25
1,832.28	153.67	635.43	146.04	1,720.89	576.40	56,211.02
153.49	.....	.....	.....	.....	.....	1,757.74
499.00	20.20	213.57	100.44	587.88	19.57	14,178.70
109.95	.....	.....	.....	101.85	.....	3,841.01
602.77	62.04	313.12	61.25	549.10	89.66	13,965.83
.....	.....	.....	.....	.....	.....	924.45
1,135.34	311.75	659.83	.....	826.28	324.46	40,425.48
1,650.70	206.60	793.70	207.34	1,232.20	143.46	41,236.81
221.55	.....	190.78	1.07	480.29	.....	9,070.98
220.97	.....	225.04	.....	80.92	.....	6,418.36
1,951.77	31.35	1,246.41	419.93	1,465.31	70.38	13,766.07
3,103.51	.....	1,754.66	612.35	1,693.63	234.38	35,957.25
1,929.00	451.00	1,086.00	424.00	4,037.00	293.00	103,059.89
.....	.....	2,100.00	.....	.....	.....	21,273.12
42,808.75	4,353.33	20,834.72	3,341.05	37,240.72	4,555.91	1,461,636.28
1,072.38	228.19	1,551.80	1,082.99	.....	64.04	16,037.59
.....	.....	.....	.....	17.87	.....	.....
664	226	410	64	580	119	25,534
140	21	100	14	145	25	5,028
20	3	15	1	22	2	704
824	250	525	79	747	146	31,266

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM

Municipality.....	Alex- andria 1,952	Apple Hill P.V.	Arnprior 3,949	Athens 676	Bath 352
Population.....					
EARNINGS	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	7,275.45	1,430.90	18,284.19	3,053.22	2,348.65
Commercial light service.....	4,879.13	961.30	9,897.31	1,622.83	713.37
Commercial power service.....	2,776.31	500.48	15,734.38	834.97	.....
Municipal power.....	942.20	.....	2,440.23	.....	.....
Street lighting.....	1,903.75	476.60	3,461.62	1,169.35	420.00
Merchandise.....	25.29	.....	.....	.....	.....
Miscellaneous.....	646.52	60.00	622.75	171.88	.....
Total earnings.....	18,448.65	3,429.28	50,440.48	6,852.25	3,482.02
EXPENSES					
Power purchased.....	9,441.68	1,977.81	27,175.74	4,807.93	1,814.47
Substation operation.....	.....	.....	.....	.....	.....
Substation maintenance.....	.....	.....	.....	.....	.....
Distribution system, operation and maintenance.....	855.33	53.89	1,629.91	236.34	75.64
Line transformer maintenance.....	37.68	.....	162.21	9.84	.....
Meter maintenance.....	173.30	14.99	776.19	94.05	.....
Consumers' premises expenses.....	.....	.....	277.45	.....	.....
Street lighting, operation and main- tenance.....	230.33	57.96	236.24	58.72	27.75
Promotion of business.....	.....	.....	88.00	.....	.....
Billing and collecting.....	1,006.76	.....	2,660.67	241.90	.....
General office, salaries and expenses..	769.79	295.83	2,195.46	75.29	253.60
Undistributed expenses.....	50.38	.....	39.54	1.77	.....
Truck operation and maintenance... ..	354.70	.....	.....	.....	.....
Interest.....	.....	9.59	1,319.07	366.17	284.39
Sinking fund and principal payments on debentures.....	.....	77.59	2,743.06	805.34	348.26
Depreciation.....	1,845.00	238.00	1,304.00	648.00	269.00
Other reserves.....	1,800.00	.....	5,000.00	.....	.....
Total operating costs and fixed charges.....	16,564.95	2,725.66	45,607.54	7,345.35	3,073.11
Net surplus.....	1,883.70	703.62	4,832.94	.....	408.91
Net loss.....	.....	.....	.....	493.10	.....
NUMBER OF CONSUMERS					
Domestic service.....	390	67	846	163	56
Commercial light service.....	99	21	145	42	10
Power service.....	15	2	19	1	.....
Total.....	504	90	1,010	206	66

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Belleville 15,001	Bloomfield 612	Bowman- ville 3,725	Brighton 1,465	Brockville 10,463	Cardinal 1,642	Carleton Place 4,258
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c
94,659.94	3,311.62	32,483.16	11,036.95	62,355.67	8,396.54	22,106.36
60,452.20	2,305.35	10,976.96	4,355.62	29,035.55	2,426.37	9,122.07
50,230.96	1,232.95	58,610.04	4,353.87	47,046.53	356.97	27,549.87
4,191.41				6,430.53		1,484.06
10,854.96	838.10	3,878.28	2,017.83	9,016.50	974.00	4,806.52
2,314.46			177.95			
2,454.79	82.50	3,205.49	119.75	5,540.73	150.00	1,380.65
225,158.72	7,770.52	109,153.93	22,061.97	159,425.51	12,303.88	66,449.53
176,922.04	4,305.77	78,211.31	11,155.47	121,557.52	8,333.59	47,011.64
1,752.88		70.37		5,725.28		140.27
				1,013.11		
1,996.21	234.00	3,301.15	1,426.36	2,343.23	678.33	1,856.08
295.95		277.99	53.60	298.92	17.85	105.57
2,082.23	62.02	610.75	284.23	2,329.94	158.54	385.95
1,441.91		112.27	82.39			650.01
1,718.18	170.21	547.53	256.14	1,200.48	153.27	552.74
		159.59				51.20
3,874.28	295.66	2,619.04	596.70	3,119.86	419.31	1,773.74
6,517.29	67.56	2,969.06	1,362.23	5,733.29	246.33	3,332.75
1,710.20		889.92	212.07	1,330.82	25.65	440.86
1,246.84			291.31	666.30		681.38
	194.67	150.00	297.84		397.75	1,101.64
	386.52	5,000.00	1,534.70		775.88	4,071.11
10,294.00	640.00	3,055.00	864.00	11,928.00	580.00	2,800.00
8,000.00		5,500.00	2,000.00			
217,852.01	6,356.41	103,473.98	20,417.04	157,246.75	11,786.50	64,954.94
7,306.71	1,414.11	5,679.95	1,644.93	2,178.76	517.38	1,494.59
3,491	174	1,199	552	3,014	384	1,067
693	42	155	94	403	58	182
104	7	27	10	74	2	17
4,288	223	1,381	656	3,491	444	1,266



STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Chester- ville 1,073	Cobden 659	Cobourg 5,383	Colborne 952	Deseronto 1,002
Population.....					
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	5,005.57	2,392.63	38,545.53	6,267.73	6,650.46
Commercial light service.....	3,879.88	2,140.21	19,729.49	2,803.06	3,068.77
Commercial power service.....	2,478.14	323.76	26,608.86	624.80	1,209.12
Municipal power.....			2,375.06	199.93	785.92
Street lighting.....	1,109.40	703.00	5,653.92	1,480.00	1,666.00
Merchandise.....	10.22		28.55	540.59	67.87
Miscellaneous.....	409.50	136.61	1,060.88	126.24	148.21
Total earnings.....	12,892.71	5,696.21	94,002.29	12,042.35	13,596.35
<b>EXPENSES</b>					
Power purchased.....	8,701.12	3,837.81	66,044.90	6,362.13	6,388.41
Substation operation.....					
Substation maintenance.....					
Distribution system, operation and maintenance.....	953.53	164.21	2,053.28	862.17	2,286.44
Line transformer maintenance.....			424.34		
Meter maintenance.....	210.16	15.30	1,709.36	172.94	95.67
Consumers' premises expenses.....	46.55		390.92		
Street lighting, operation and main- tenance.....	152.56	72.44	1,036.99	163.83	439.99
Promotion of business.....					
Billing and collecting.....	581.86	427.03	3,826.95	923.90	748.47
General office, salaries and expenses..	545.68	140.73	3,397.99	825.18	868.15
Undistributed expenses.....			748.59	18.13	59.15
Truck operation and maintenance.....			281.20	150.66	433.23
Interest.....		250.73	1,964.01	513.99	
Sinking fund and principal payments on debentures.....		649.27	5,319.15	649.92	
Depreciation.....	744.00	175.00	4,968.00	450.00	550.00
Other reserves.....					
Total operating costs and fixed charges.....	11,935.46	5,732.52	92,165.68	11,092.85	11,869.51
Net surplus.....	957.25		1,836.61	949.50	1,726.84
Net loss.....		36.31			
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	245	147	1,406	275	347
Commercial light service.....	69	49	214	68	60
Power service.....	4	1	47	5	5
Total.....	318	197	1,667	348	412

## "B"—Continued

## Hydro Municipalities for Year Ended December 31, 1942

Finch 393	Hastings 763	Havelock 907	Iroquois 1,104	Kemptville 1,159	Kingston 28,345
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,376.43	4,033.78	4,459.67	6,384.70	7,596.64	193,669.75
1,858.36	2,259.52	2,416.39	3,487.78	4,916.71	131,514.83
321.67	190.97	1,820.22	478.75	4,359.93	141,297.66
507.00	1,280.90	1,465.50	1,358.09	1,748.59	12,003.92
151.09	220.36	509.72	908.68	1,139.64	21,077.09
5,214.55	7,985.53	10,671.50	174.58		164.28
					6,220.14
			12,979.67	19,761.51	505,947.67
3,265.47	3,575.92	5,406.28	6,027.04	11,855.15	342,634.56
					6,296.87
					893.97
195.01	553.43	791.81	1,128.62	981.94	18,544.97
49.32	27.91		188.80	16.86	1,739.54
			103.38	196.86	4,668.18
				136.93	3,203.70
103.26	183.99	197.59	283.43	103.12	5,537.45
				264.11	137.46
340.88	549.62	892.58	643.63	1,142.41	6,350.38
	18.88		129.32	358.50	15,681.94
		379.82	29.93	48.06	8,332.06
198.96	728.86	19.74		190.63	3,220.73
				741.19	2,475.10
420.23	1,028.76	329.00		1,075.03	3,069.50
370.00	705.00	1,143.00	272.00	1,385.00	35,197.00
			2,000.00		23,982.13
4,943.13	7,372.37	9,159.82	10,806.15	18,495.79	481,965.54
271.42	613.16	1,511.68	2,173.52	1,265.72	23,982.13
102	228	284	272	362	7,655
33	53	53	94	81	1,085
1	3	2	3	5	137
136	284	339	369	448	8,877

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Lakefield	Lanark	Lancaster	Lindsay	Madoc
Population.....	1,267	660	582	7,773	1,130
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service .....	6,752.92	2,776.91	2,145.31	46,916.13	5,178.29
Commercial light service .....	4,590.52	1,712.62	1,177.92	30,518.36	3,984.63
Commercial power service .....	4,866.42			58,068.65	1,333.47
Municipal power .....				3,445.71	
Street lighting .....	1,689.02	562.69	492.00	6,320.86	1,290.50
Merchandise .....					
Miscellaneous .....	290.94	172.55		2,595.68	198.94
Total earnings .....	18,189.82	5,224.77	3,815.23	147,865.39	11,985.83
<b>EXPENSES</b>					
Power purchased .....	9,829.34	3,202.48	2,094.89	110,823.05	7,771.37
Substation operation .....					
Substation maintenance .....					
Distribution system, operation and maintenance .....	614.30	188.95	93.55	2,095.20	1,139.86
Line transformer maintenance .....				744.11	
Meter maintenance .....	230.28	74.50	92.81	1,256.13	92.71
Consumers' premises expenses .....				963.89	
Street lighting, operation and maintenance .....	119.69	46.98	50.70	2,115.42	125.10
Promotion of business .....				341.66	
Billing and collecting .....	381.49		316.52	3,819.86	511.02
General office, salaries and expenses .....	686.73	440.16	164.23	7,139.52	583.82
Undistributed expenses .....	62.95			1,367.32	10.50
Truck operation and maintenance .....	312.68			623.46	
Interest .....	1,109.89		1.39	2,820.12	
Sinking fund and principal payments on debentures .....	1,455.47			7,413.50	
Depreciation .....	1,446.00	407.00	386.00	5,736.00	538.00
Other reserves .....					
Total operating costs and fixed charges .....	16,248.82	4,360.07	3,200.09	147,259.24	10,772.38
Net surplus .....	1,941.00	864.70	615.14	606.15	1,213.45
Net loss .....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service .....	345	169	108	2,104	308
Commercial light service .....	70	41	29	325	84
Power service .....	8			70	4
Total .....	423	210	137	2,499	396



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Marmora 983	Martin- town P.V.	Maxville 811	Millbrook 763	Morris- burg 1,518	Napanee 3,277	Newcastle 686
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
4,480.06	759.57	3,296.02	4,349.32	9,539.55	26,350.62	5,625.22
2,114.47	875.46	2,734.72	2,021.92	6,428.34	18,000.77	2,697.11
259.54			780.68	2,555.46	10,641.36	2,937.48
				324.07	264.22	
1,298.00	171.92	1,155.96	783.50	2,524.16	3,981.70	647.70
					1,020.92	
60.79	68.60	122.85	35.28	345.89	84.27	
8,212.86	1,875.55	7,309.55	7,970.70	21,717.47	60,343.86	11,907.51
4,526.70	1,110.97	4,474.55	2,743.74	7,290.22	38,029.67	6,163.66
				2,320.95		
888.94	180.49	169.87	311.42	1,045.89	4,960.94	480.08
		40.65	84.20	31.44	288.51	
	58.06	112.26	308.04	141.16	712.51	58.78
			32.93		357.82	
124.35	45.85	184.47	135.97	141.55	499.23	111.52
		317.55	782.72	724.98	2,314.18	670.46
1,062.98	163.67	107.23	731.54	506.17	7,108.84	292.66
18.63		7.72		147.42	2,480.94	18.57
				129.39	43.27	
			229.04	1,002.11		2.32
			445.46	4,289.52		
672.00	195.00	682.00	208.00	780.00	2,382.00	878.00
7,293.60	1,754.04	6,096.30	6,013.06	18,550.80	59,177.91	8,676.05
919.26	121.51	1,213.25	1,957.64	3,166.67	1,165.95	3,231.46
240	51	163	170	406	874	226
41	24	48	60	98	200	35
2			3	14	25	4
283	75	211	233	518	1,099	265

STATEMENT

Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Continued

Municipality.....	Norwood	Omemeë	Orono	Oshawa
Population.....	710	641	P.V.	26,428
<b>EARNINGS</b>				
	\$ c.	\$ c.	\$ c.	\$ c.
Domestic service.....	4,954.26	3,374.38	4,454.91	228,017.86
Commercial light service.....	2,228.66	993.14	2,144.03	82,619.77
Commercial power service.....	539.40	2,863.23	53.22	312,613.82
Municipal power.....				9,933.99
Street lighting.....	1,573.75	994.64	754.18	12,105.21
Merchandise.....				
Miscellaneous.....	648.45	142.48		11,380.97
Total earnings.....	9,944.52	8,367.87	7,406.34	656,671.62
<b>EXPENSES</b>				
Power purchased.....	4,401.37	5,510.41	2,777.73	478,613.71
Substation operation.....				254.69
Substation maintenance.....				
Distribution system, operation and maintenance.....	412.44	789.44	273.22	10,308.43
Line transformer maintenance.....			20.00	317.36
Meter maintenance.....	16.18	78.92	41.22	4,831.38
Consumers' premises expenses.....			6.78	12,943.50
Street lighting, operation and maintenance.....	129.33	122.28	93.50	2,149.62
Promotion of business.....				192.87
Billing and collecting.....			544.46	13,261.18
General office, salaries and expenses.....	734.18	357.22	389.72	11,084.66
Undistributed expenses.....			19.15	5,716.21
Truck operation and maintenance.....	289.68			
Interest.....	1,025.96		145.76	3,504.88
Sinking fund and principal payments on debentures.....	1,723.75		852.10	18,000.00
Depreciation.....	1,348.00	936.00	186.00	15,185.00
Other reserves.....			1,000.00	50,000.00
Total operating costs and fixed charges.....	10,080.89	7,794.27	6,349.64	626,363.49
Net surplus.....		573.60	1,056.70	30,308.13
Net loss.....	136.37			
<b>NUMBER OF CONSUMERS</b>				
Domestic service.....	234	177	179	6,585
Commercial light service.....	55	31	37	694
Power service.....	3	6	1	113
Total.....	292	214	217	7,392

'B'—Continued

Hydro Municipalities for Year Ended December 31, 1942

Ottawa	Perth	Peter- borough	Picton	Port Hope	Prescott	Richmond
154,585	4,286	25,529	3,570	4,962	3,120	421
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
617,824.21	26,261.71	198,088.56	25,283.67	31,742.92	21,784.45	2,485.83
248,809.70	15,990.55	97,625.75	16,251.46	14,663.30	12,893.56	1,302.80
66,687.44	16,449.59	151,491.93	4,290.43	33,571.47	9,237.86	.....
22,593.50	1,065.94	6,696.34	1,993.61	1,552.93	1,348.26	.....
81,812.56	2,836.00	22,385.20	3,836.36	4,146.92	4,063.10	390.00
.....	2,889.39	.....	2,070.61	123.12	.....	.....
5,520.57	3,345.01	3,344.90	1,037.81	747.45	151.17	.....
1,043,247.98	68,838.19	479,632.68	54,763.95	86,548.11	49,478.40	4,178.63
537,598.79	44,691.92	305,883.91	36,477.98	69,306.94	35,492.60	2,647.56
33,643.67	394.42	6,852.51	.....	.....	1,523.70	.....
3,332.78	.....	1,427.38	.....	.....	.....	.....
24,708.96	2,038.47	10,804.35	1,861.87	1,517.31	3,110.03	141.95
3,041.48	136.67	1,335.99	23.38	293.47	43.25	.....
12,790.51	570.87	6,940.73	320.47	1,042.60	314.96	56.56
3,697.06	19.50	18,843.71	4.95	655.73	362.84	.....
32,614.33	277.40	6,566.16	381.84	1,356.50	557.58	44.51
4,698.21	108.95	93.61	.....	.....	.....	.....
51,711.80	1,922.53	9,589.57	1,100.64	2,565.61	1,336.24	.....
28,650.41	3,739.78	7,182.47	2,325.43	4,183.93	2,550.96	250.44
20,187.87	881.98	6,412.22	516.02	1,094.47	623.96	.....
3,624.46	615.02	2,993.33	247.02	287.48	.....	.....
30,631.83	2,185.86	26,256.13	.....	.....	71.55	184.89
.....	3,073.41	9,071.38	.....	.....	.....	376.89
108,758.00	4,791.00	23,099.00	2,609.00	3,327.00	3,740.00	294.00
52,694.84	2,000.00	400.00	5,000.00	.....	.....	.....
952,385.00	67,447.78	443,752.45	50,868.60	85,631.04	49,727.67	3,996.80
90,862.98	1,390.41	35,880.23	3,895.35	917.07	.....	181.83
.....	.....	.....	.....	.....	249.27	.....
15,177	1,061	6,540	1,150	1,437	775	84
1,456	197	904	202	212	161	21
204	27	165	34	37	23	.....
16,837	1,285	7,609	1,386	1,686	959	105



## STATEMENT

## Detailed Operating Reports of Electrical Departments of

EASTERN ONTARIO  
SYSTEM—Concluded

Municipality.....	Russell	Smiths Falls	Stirling	Trenton	Tweed
Population.....	P.V.	7,418	922	7,636	1,242
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	2,966.38	50,626.81	5,668.14	47,906.88	6,409.18
Commercial light service.....	1,322.66	17,268.63	3,314.77	26,320.43	4,597.58
Commercial power service.....		26,087.25	1,222.15	80,695.11	3,728.75
Municipal power.....		952.85	261.27	4,410.20	339.93
Street lighting.....	848.00	7,441.95	1,708.39	8,321.17	1,817.66
Merchandise.....			23.77	400.83	
Miscellaneous.....	153.75	3,397.53	371.40	1,808.56	231.06
Total earnings.....	5,290.79	105,775.02	12,569.89	169,863.18	17,124.16
<b>EXPENSES</b>					
Power purchased.....	2,764.13	66,441.77	7,126.67	117,997.29	9,524.44
Substation operation.....		518.93			
Substation maintenance.....		600.83	272.80	287.19	
Distribution system, operation and maintenance.....	292.53	4,117.44	598.73	1,661.85	498.10
Line transformer maintenance.....		207.33	18.50	80.29	16.20
Meter maintenance.....	6.70	991.14	68.80	2,247.23	115.59
Consumers' premises expenses.....		2,628.06		1,099.97	
Street lighting, operation and main- tenance.....	113.49	1,631.54	244.78	745.95	415.69
Promotion of business.....		233.90		3.28	3.00
Billing and collecting.....		3,650.96	495.45	3,587.55	599.43
General office, salaries and expenses..	503.63	3,114.44	1,172.64	6,168.40	256.08
Undistributed expenses.....		2,174.70	48.38	1,802.09	15.02
Truck operation and maintenance.....		1,183.98	194.05	532.94	
Interest.....	161.32	56.27		767.71	157.59
Sinking fund and principal payments on debentures.....	675.47	1,023.19		8,159.22	1,694.10
Depreciation.....	391.00	8,042.00	1,014.00	6,470.00	704.00
Other reserves.....		5,000.00		7,500.00	1,500.00
Total operating costs and fixed charges.....	4,908.27	101,616.48	11,254.80	159,110.96	15,499.24
Net surplus.....	382.52	4,158.54	1,315.09	10,752.22	1,624.92
Net loss.....					
<b>NUMBER OF CONSUMERS</b>					
Domestic service.....	118	1,983	285	1,736	303
Commercial light service.....	31	286	71	259	85
Power service.....		42	10	55	13
Total.....	149	2,311	366	2,050	401

“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Warkworth P.V.	Wellington 927	Westport 681	Whitby 4,282	Williams- burg P.V.	Winchester 1,146	EASTERN ONTARIO SYSTEM SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
2,214.14	6,576.52	3,747.17	31,308.76	1,693.39	6,679.17	1,992,364.76
1,342.98	2,826.11	2,811.07	14,229.99	2,099.98	4,068.29	967,405.11
103.47	759.63		17,849.78	138.88	1,862.17	1,200,629.85
			1,762.01			89,156.18
628.08	1,084.92	1,384.04	4,808.01	286.92	916.65	262,479.31
					12.55	10,057.49
137.50	307.50	204.44	781.50	661.05	382.61	63,463.53
4,426.17	11,554.68	8,146.72	70,740.05	4,880.22	13,921.44	4,585,556.23
2,329.91	7,183.26	4,267.52	41,987.11	2,806.79	9,578.44	2,950,284.65
			607.19			59,494.54
						8,435.25
62.25	542.03	199.23	5,078.95	317.30	456.31	125,162.56
4.02			321.25			10,677.25
25.44		139.59	1,471.02	28.55	48.50	49,505.47
			902.90	13.55	28.43	48,903.75
28.96	100.75	62.62	1,018.45	47.45	123.56	66,011.32
						6,375.84
137.70	345.75		2,827.70		590.36	135,358.26
85.82	274.81	1,154.44	2,219.07	647.91	341.20	143,924.24
	313.83	21.09	529.11			58,426.16
			709.25			19,682.81
424.47	348.03	479.96	817.13		124.13	83,522.04
374.67	492.77		3,144.64		649.57	91,198.43
302.00	1,012.00	300.00	4,255.00	312.00	879.00	282,688.00
						173,376.97
3,775.24	10,613.23	6,624.45	65,888.77	4,173.55	12,819.50	4,313,027.54
650.93	941.45	1,522.27	4,851.28	706.67	1,101.94	272,528.69
136	345	138	1,007	96	302	67,738
40	65	47	162	38	90	10,002
1	5		25	1	3	1,389
177	415	185	1,194	135	395	79,129

## STATEMENT

## Detailed Operating Reports of Electrical Departments of

THUNDER BAY  
SYSTEM

Municipality.....	Fort William	Nipigon Twp.	Port Arthur	THUNDER BAY SYSTEM SUMMARY
Population.....	28,626		23,384	
<b>EARNINGS</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>	<b>\$ c.</b>
Domestic service.....	250,562.07	4,490.07	142,846.24	397,898.38
Commercial light service.....	104,246.65	3,968.62	86,895.57	195,110.84
Commercial power service.....	74,007.53	488.04	278,154.39	352,649.96
Municipal power.....	31,480.93	352.59	34,003.89	65,837.41
Street lighting.....	20,069.59	720.00	19,798.32	40,587.91
Merchandise.....				
Miscellaneous.....	996.40	184.67	21,873.49	23,054.56
Total earnings.....	481,363.17	10,203.99	583,571.90	1,075,139.06
<b>EXPENSES</b>				
Power purchased.....	313,429.34	4,638.49	336,006.46	654,074.29
Substation operation.....	8,531.86		29,317.74	37,849.60
Substation maintenance.....	901.22		1,110.79	2,012.01
Distribution system, operation and maintenance.....	6,934.52	501.19	19,101.98	26,537.69
Line transformer maintenance.....	445.66	38.28	1,226.88	1,710.82
Meter maintenance.....	9,806.80	118.12	7,711.21	17,636.13
Consumers' premises expenses.....	8,539.29			8,539.29
Street lighting, operation and main- tenance.....	7,340.68	139.69	5,764.76	13,245.13
Promotion of business.....	95.57		2,169.07	2,264.64
Billing and collecting.....	13,365.22		14,541.81	27,907.03
General office, salaries and expenses....	15,312.00	885.54	13,462.41	29,659.95
Undistributed expenses.....	5,930.50	43.12	9,206.55	15,180.17
Truck operation and maintenance.....	3,096.15		1,750.83	4,846.98
Interest.....	13,875.00	139.83		14,014.83
Sinking fund and principal payments on debentures.....	5,254.84	732.02	231.67	6,218.53
Depreciation.....	23,057.00	755.00	31,381.48	55,193.48
Other reserves.....	13,000.00	500.00	33,500.00	47,000.00
Total operating costs and fixed charges.....	448,915.65	8,491.28	506,483.64	963,890.57
Net surplus.....	32,447.52	1,712.71	77,088.26	111,248.49
Net loss.....				
<b>NUMBER OF CONSUMERS</b>				
Domestic service.....	6,912	239	5,731	12,882
Commercial light service.....	1,038	54	877	1,969
Power service.....	112	5	110	227
Total.....	8,062	298	6,718	15,078



“B”—Continued

Hydro Municipalities for Year Ended December 31, 1942

Capreol 1,660	North Bay 15,975	Sioux Lookout 1,950	Sudbury 31,789	NORTHERN ONTARIO DISTRICTS SUMMARY	ALL SYSTEMS GRAND SUMMARY
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
9,640.42	109,605.52	16,628.16	238,762.39	374,636.49	14,874,937.14
3,554.02	67,363.46	12,733.15	138,889.28	222,539.91	7,604,860.27
.....	45,950.11	1,369.02	43,502.90	90,822.03	15,433,320.91
739.25	7,704.34	.....	10,379.29	18,822.88	2,026,826.92
1,260.00	10,738.08	2,203.28	27,512.04	41,713.40	1,820,216.28
.....	99.57	.....	.....	99.57	50,276.58
120.00	4,112.40	15.51	4,206.17	8,454.08	680,825.29
15,313.69	245,573.48	32,949.12	463,252.07	757,088.36	42,491,263.39
.....	.....	.....	.....	.....	.....
7,183.05	128,979.00	26,125.38	259,231.75	421,519.18	26,459,900.78
.....	.....	.....	.....	.....	581,259.02
116.97	1,433.67	.....	9,128.32	10,678.96	361,643.95
1,637.07	7,384.81	1,133.67	23,210.77	33,366.32	1,087,818.81
.....	901.76	63.20	1,177.35	2,142.31	133,888.95
188.26	4,231.65	155.05	9,755.68	14,330.64	440,877.18
.....	276.98	.....	313.76	590.74	513,565.10
.....	.....	.....	.....	.....	.....
622.34	1,731.25	205.58	6,658.43	9,217.60	397,614.93
.....	113.96	139.00	329.10	582.06	193,692.33
1,189.01	9,185.55	3,214.76	22,684.76	36,274.08	1,171,345.63
1,087.65	8,492.41	819.32	15,183.75	25,583.13	1,067,535.39
79.68	4,174.68	63.92	9,479.52	13,797.80	553,599.71
.....	597.41	341.83	4,482.88	5,422.12	99,379.20
.....	8,267.50	.....	5,879.67	14,147.17	973,383.83
.....	9,000.00	.....	9,715.71	18,715.71	2,006,148.29
900.00	16,277.00	446.00	20,700.00	38,323.00	2,853,619.59
.....	20,000.00	.....	15,000.00	35,000.00	732,579.23
.....	.....	.....	.....	.....	.....
13,004.03	221,047.63	32,707.71	412,931.45	679,690.82	39,627,851.92
2,309.66	24,525.85	241.41	50,320.62	77,397.54	2,863,411.47
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....
336	3,361	482	7,970	12,149	554,115
52	665	100	1,030	1,847	76,423
1	86	2	107	196	13,639
389	4,112	584	9,107	14,192	644,177

**STATEMENT "C"****Street Lighting Installation in Hydro Municipalities**

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Due to restrictions and changes resulting from orders of the Dominion Power Controller and economies effected by municipal co-operative action, statistics relating to Street Lighting are not presented in this year's Annual Report

STATEMENT "D"

(pages 300 to 317)

Statistics relating to the Supply of Electrical ~~Energy~~ to Consumers  
in Ontario Urban Municipalities Served by  
The Hydro-Electric Power Commission  
for the year 1942

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STATEMENT "E"

(pages 318 to 335)

Cost of Power to Municipalities and Rates to Consumers for  
Domestic Service—Commercial Light Service—Power Service  
in Ontario Urban Municipalities Served by  
The Hydro-Electric Power Commission  
for the year 1942



**STATEMENT "D"****Statistics Relating to the Supply of Electrical Energy to  
Consumers in Urban Municipalities Served by  
The Hydro-Electric Power Commission**

Regarding the results of Hydro operation from the standpoint of the consumers, the following tabulation gives much useful and interesting information. For each main class of service in each urban municipal utility receiving power at cost from the Commission, Statement "D" lists the revenue, the consumption and the number of consumers, together with unit average costs and consumptions and other pertinent data.

The policy and practice of the Commission has been, and is, to make as widespread and beneficial a distribution of electrical energy as possible, and to extend to every community that can economically be reached by transmission lines, the benefit of electrical service. Even where, in certain localities, by reason of the distance from a source of supply or on account of the small quantity of power required by the municipality, the cost per horsepower to the municipality—and, consequently, the cost of service to the consumer—must unavoidably be higher than in more favourably situated communities, service has not been withheld when the consumers were able and willing to pay the cost.

The accompanying diagram summarizes graphically certain data of Statement "D" respecting the average cost to the consumer. It will be observed that the total amount of energy sold in municipalities where circumstances necessitate rates which result in the higher average costs to the consumer is relatively insignificant. With respect to power service, it should be noted that the statistics of Statement "D", and of the diagram, cover mainly retail power service supplied to the smaller industrial consumers. The average amount of power taken by the industrial consumers served by the municipalities is about 45 horsepower. The Commission serves certain large power consumers direct on behalf of the various systems of municipalities.

It should be kept in mind that the revenues reported in Statement "D", and used for purposes of calculating the net unit costs to the consumer, are the total revenues contributed by the consumers, and provide, in addition to the cost of power, sums specifically applicable to the retirement of capital, and also operating surplus which is in part applied to retirement of capital or extension of plant and is in part returned in cash to the consumers.

It should also be noted that average costs per kilowatt-hour or per horsepower if employed indiscriminately as a criterion by means of which to compare the rates or prices for electrical service in various municipalities, will give misleading results. The average cost per kilowatt-hour, as given in Statement "D" for respective classes of service in each municipality, are statistical results obtained by dividing the respective revenues by the aggregate kilowatt-hours sold. As such, the data reflect the combined influence of a number of factors, of which the rates or prices to consumers are but one factor. Owing to the varying influence of factors other than the rates, it is seldom found that in any two municipalities the average cost per kilowatt-hour to the consumers, even of the same classification, is in proportion to the respective rates for service. Instances even occur where for a class of consumers in one municipality, the average costs per kilowatt-hour are substantially lower than for the same class in another municipality, even though the rates are higher.

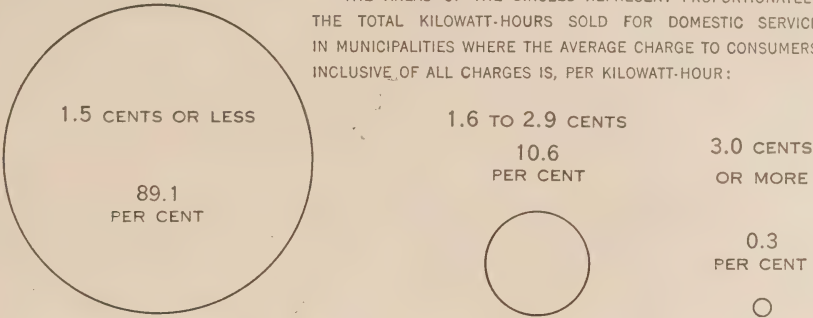
COST OF ELECTRICAL SERVICE

IN MUNICIPALITIES SERVED BY

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

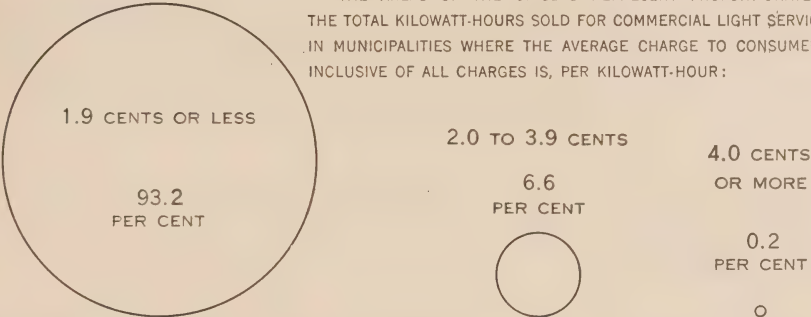
DOMESTIC SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR DOMESTIC SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



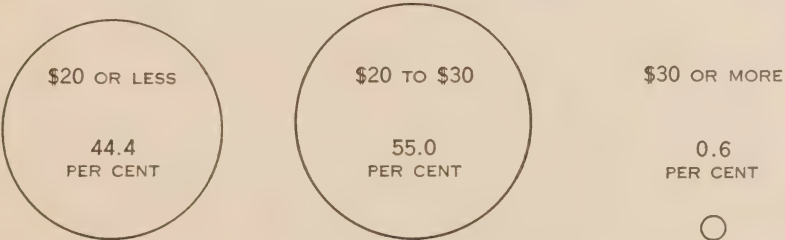
COMMERCIAL LIGHT SERVICE

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE TOTAL KILOWATT-HOURS SOLD FOR COMMERCIAL LIGHT SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER KILOWATT-HOUR:



POWER SERVICE SUPPLIED BY MUNICIPALITIES

THE AREAS OF THE CIRCLES REPRESENT PROPORTIONATELY THE AGGREGATE HORSEPOWER SOLD FOR POWER SERVICE IN MUNICIPALITIES WHERE THE AVERAGE CHARGE TO CONSUMERS INCLUSIVE OF ALL CHARGES IS, PER HORSEPOWER PER YEAR:



With respect to domestic service, for example, instances may be observed where two municipalities have identical prices or rates for domestic service, but the average cost per kilowatt-hour to the consumer varies by as much as 50 per cent or more. Such variations are due principally to differences in the extent of utilization of the service for the operation of electric ranges, water heaters and other appliances, an indication of which is afforded by the statistics of average monthly consumption.

In the case of power service, average unit costs are still less reliable as an indication of the relative rates for service in different municipalities. In the case of hydro-electric power supplied to industries at cost, the rate schedules incorporate charges both for demand and for energy consumption, and thus, although the quantity of power taken by a consumer—that is, the demand as measured in horsepower—is the most important factor affecting costs and revenues, it is not the only one. The number of hours the power is used in the month or year—which, in conjunction with the power, determines the energy consumption, as measured in kilowatt-hours—also affects the costs and revenues. Consequently, in two municipalities charging the same rates for power service, the average cost per horsepower to the consumer will vary in accordance with the consumers' average number of hours' use of the power per month. A greater average energy consumption per horsepower increases the average cost per horsepower and decreases the average cost per kilowatt-hour to the consumer, and *vice versa*.\*

\*In view of the fact that the data of Statement "D" have been misinterpreted in the making of certain comparisons as to the cost of electricity in various territories, it is desirable to add a word of caution respecting their significance. Essentially, the average cost or revenue per kilowatt-hour is *not a criterion of rates* even with similar forms of rate schedules and for the same class of service. Particularly is this true when revenues and consumptions of all classes of service and of all kinds of rate schedules, are indiscriminately lumped together in order to deduce a so-called "average cost or rate per kilowatt-hour" for all services.

*In one community rates for each class of service, and the cost to every consumer in each class for any given service and consumption, may be substantially higher than in another community, and yet there may be in the former community a lower "average revenue per kilowatt-hour."*

EXAMPLE.—Assume sales of electrical energy by two electric utilities, A and B, in each case 10,000,000 kilowatt-hours.

Class of service	CASE A Higher rates and lower revenues per kilowatt-hour			CASE B Lower rates and higher revenues per kilowatt-hour		
	Energy sales	Rate per kw-hr.	Revenue	Energy sales	Rate per kw-hr.	Revenue
	kw-hr.	cents	\$	kw-hr.	cents	\$
Residence.....	1,000,000	4	40,000	3,000,000	3	90,000
Power.....	9,000,000	1	90,000	7,000,000	0.75	52,500
Total.....	10,000,000	....	130,000	10,000,000	....	142,500
Average revenue.....	1.3 cents per kw-hr.			1.425 cents per kw-hr.		

It will be observed that in Case A the rates both for residence and for power service are 33 per cent higher than in Case B, but the average revenue per kilowatt-hour is nearly 9 per cent less.

In this instance, the explanation lies in the *relative quantities* of energy sold to each class. Service to large power consumers entails a smaller capital investment in distribution lines and equipment and lower operating costs per kilowatt-hour delivered, than does service to domestic and to commercial light consumers, and even where the rates for all classes of service are low, produces a smaller average revenue per kilowatt-hour. Consequently, if one electrical utility as compared with another sells a larger proportion of its energy for power purposes, its "average revenue per kilowatt-hour" may easily be lower than that of the other utility even though its rates for every class of service are substantially higher.



Although the derived statistics of Statement "D" are valueless as a means of comparing the *rates* in one municipality with those in another, they nevertheless fulfil a function in affording a general measure of the *economy of service* to consumers in the co-operating Ontario municipalities—an economy that has resulted primarily from the low rates themselves, and secondarily from the extensive use of the service that has been made possible by the low rates.

Actual bills rendered to typical consumers for similar service under closely comparable circumstances constitute the best basis for making comparisons. In researches respecting rates to consumers therefore the actual *rate schedules* of Statement "E" should be employed and not statistics of average revenues per kilowatt-hour, as these are valueless for rate comparisons—and particularly so when all classifications of service are combined.

In any consideration of the relative economies of electrical service in the various municipalities—whether based on the actual rates for service as set forth in Statement "E", or on the derived statistics resulting from the rates and other factors as presented in Statement "D"—full account should be taken respectively of the influence upon costs of such factors as the size of the municipality, the distance from the source of power, the features of the power developments, the sizes and concentrations of adjacent markets for electricity, and the sizes and characters of the loads supplied under the various classifications by the local electrical utility to the consumers.

In Statement "D" account has been taken of the sizes of municipalities by grouping them according to whether they are (i) cities—over 10,000 population; (ii) towns of 2,000 to 10,000 population; or (iii) small towns (under 2,000 population), villages, and suburban areas in townships (which are comparable in respect of conditions of supply to the smaller towns and villages). The populations are also given, and the situation of any municipality with respect to transmission lines and power supplies may be ascertained by consulting the maps at the end of the Report.

A feature of the electrical service in Ontario municipalities served by The Hydro-Electric Power Commission is the strikingly large average annual consumption per domestic consumer. Of the 89 cities and towns with populations of 2,000 or more—in which over 85 per cent of the domestic consumers of the undertaking are served—no less than 82 have an average annual consumption per domestic consumer in excess of 1,000 kilowatt-hours; of these, 61 have an average annual consumption per domestic consumer in excess of 1,500 kilowatt-hours, 34 in excess of 2,000 kilowatt-hours, and 8 in excess of 3,000 kilowatt-hours. In addition 87 smaller urban municipalities have an average annual consumption per domestic consumer exceeding 1,000 kilowatt-hours, including 16 in excess of 2,000 kilowatt-hours.

The high average consumption for domestic service results essentially from the policy of the undertaking in providing service "at cost"; the rate schedules designed according to this principle automatically encourage liberal use of the service. Under the standard rate schedules employed by Ontario municipalities, follow-up rates of 0.8 to 1.3 cents (less 10 per cent) are in common use, and as a rule even where the higher initial rates per kilowatt-hour obtain, it is only necessary for the domestic consumer to reach a monthly charge of from \$2.00 to \$3.00 to obtain the benefit of a follow-up rate of 1.8 cents net. The cost of electric cooking is thus within reach of most of the domestic consumers in Ontario. Electric water heating is also encouraged by low flat rates for continuous heaters and by installation of equipment without capital cost to the consumer. In 1941, war conditions made necessary the suspension of new installations for water heating.

**STATEMENT**  
**Statistics Relating to the Supply of Electrical Energy to Consumers**  
**For Domestic Service, for Commercial Light Service**  
**Group I—CITIES**

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Belleville.....	E.O.	15,001	94,659.94	10,937,187	3,491	261	2.26	0.87
Brantford.....	Nia.	32,174	183,220.23	15,856,780	8,056	164	1.90	1.16
Chatham.....	Nia.	17,893	99,992.49	5,973,022	4,483	111	1.85	1.67
Fort William.....	T.B.	28,626	250,562.07	37,195,344	6,912	448	3.02	0.67
Galt.....	Nia.	14,858	115,080.24	9,421,190	4,168	188	2.30	1.22
Guelph.....	Nia.	22,685	118,637.67	10,872,840	5,611	161	1.76	1.09
Hamilton.....	Nia.	160,813	956,015.83	83,106,737	41,466	167	1.92	1.15
Kingston.....	E.O.	28,345	193,669.75	17,264,118	7,655	188	2.11	1.12
Kitchener.....	Nia.	34,734	242,443.09	22,563,001	8,426	223	2.40	1.07
London.....	Nia.	76,086	576,855.00	55,947,870	18,988	246	2.53	1.03
Niagara Falls.....	Nia.	19,726	137,773.20	13,510,727	4,879	231	2.35	1.02
North Bay.....	N.O.P.	15,975	109,605.52	6,786,621	3,361	168	2.71	1.61
Oshawa.....	E.O.	26,428	228,017.86	15,140,133	6,585	191	2.88	1.51
Ottawa.....	E.O.	154,585	617,824.21	71,508,999	15,177	393	3.39	0.86
Owen Sound.....	G.B.	13,503	66,554.21	5,140,640	3,549	121	1.56	1.29
Peterborough.....	E.O.	25,529	198,088.56	18,095,639	6,540	230	2.52	1.09
Port Arthur.....	T.B.	23,384	142,846.24	16,230,630	5,731	236	2.08	0.88
St. Catharines.....	Nia.	30,406	177,614.95	15,921,226	8,327	159	1.78	1.12
St. Thomas.....	Nia.	17,789	135,326.67	14,290,376	4,607	258	2.45	0.95
Sarnia.....	Nia.	17,911	99,174.35	6,824,230	4,943	115	1.67	1.45
Stratford.....	Nia.	16,880	142,752.48	11,852,310	4,484	220	2.65	1.20
Sudbury.....	N.O.P.	31,789	238,762.39	15,826,823	7,970	165	2.50	1.50
Toronto.....	Nia.	655,751	4,202,169.01	364,103,985	151,973	200	2.30	1.15
Toront D.C. and 60 cycle†.....			10,834.72	360,400	186	161	4.83	3.00
Welland.....	Nia.	12,838	61,278.96	4,688,343	3,209	122	1.59	1.31
Windsor.....	Nia.	107,424	731,270.00	53,729,345	26,097	172	2.34	1.36
Woodstock.....	Nia.	12,125	83,131.42	7,591,485	3,372	188	2.05	1.10

†This—with the exception of a relatively small D.C. power load—is a special service not created by The Hydro-Electric Power Commission but acquired through the purchase of a privately owned company. It does not include street railway power.

**GROUP II—TOWNS**

Amherstburg.....	Nia.	2,743	23,663.39	1,776,735	728	203	2.70	1.33
Arnprior.....	E.O.	3,949	18,284.19	971,372	846	96	1.82	1.88
Aylmer.....	Nia.	2,412	13,251.96	907,615	732	103	1.51	1.46
Barrie.....	G.B.	9,994	83,499.35	7,172,279	2,381	251	2.92	1.16
Bowmanville.....	E.O.	3,725	32,483.16	2,061,293	1,199	143	2.14	1.58
Brampton.....	Nia.	5,823	45,780.50	3,859,978	1,584	203	2.41	1.18
Brockville.....	E.O.	10,463	62,355.67	5,686,525	3,014	157	1.72	1.10
Carleton Place.....	E.O.	4,258	22,106.36	1,526,075	1,067	119	1.72	1.45
Cobourg.....	E.O.	5,383	38,545.53	2,338,292	1,406	139	2.28	1.65
Collingwood.....	G.B.	5,808	34,519.97	2,235,769	1,573	118	1.83	1.54
Dundas.....	Nia.	5,163	27,394.50	1,788,558	1,372	109	1.66	1.53
Dunnville.....	Nia.	4,069	16,931.84	980,764	1,026	80	1.38	1.73
Elmira.....	Nia.	2,048	16,992.15	1,136,046	549	172	2.58	1.50
Fergus.....	Nia.	2,787	21,327.71	1,147,540	772	124	2.30	1.86
Forest Hill.....	Nia.	12,779	209,326.15	16,022,185	3,387	394	5.15	1.31



"D"

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1942  
Population, 10,000 or more

Commercial Light service						Power service			Total number of con- sumers
Révenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
60,452.20	5,124,295	693	616	7.27	1.18	54,422.37	104	3,346.0	4,288
85,616.00	8,670,614	1,212	596	5.89	0.99	308,507.50	206	16,852.8	9,474
100,399.07	6,602,619	786	700	10.64	1.52	95,689.91	105	4,430.1	5,374
104,246.65	8,101,095	1,038	650	8.36	1.29	105,488.46	112	5,855.2	8,062
58,014.26	4,124,326	497	692	9.73	1.41	162,108.52	115	8,093.2	4,780
58,572.57	5,047,720	793	530	6.16	1.16	141,472.20	134	8,368.2	6,538
513,723.17	46,230,695	5,236	736	8.18	1.11	2 904 672.75	1,322	147,963.5	48,024
131,514.83	11,056,036	1,085	849	10.10	1.19	153,301.58	137	8,021.9	8,877
141,995.57	9,548,955	1,077	739	10.99	1.49	407,548.08	263	19,334.2	9,766
227,754.20	18,669,260	1,933	805	9.82	1.22	529,823.47	452	28,168.3	21,373
73,733.75	6,361,295	756	701	8.13	1.16	109,393.00	102	6,265.5	5,737
67,363.46	3,186,759	665	399	8.44	2.11	53,654.45	86	2,054.7	4,112
82,619.77	4,294,402	694	516	9.92	1.92	322,547.81	113	13,905.5	7,392
248,809.70	18,981,018	1,456	1,086	14.24	1.31	89,280.94	204	5,472.0	16,837
52,641.55	3,623,794	528	572	8.31	1.45	64,428.29	104	3,669.5	4,181
97,625.75	5,850,302	904	539	8.99	1.65	158,188.27	165	7,903.0	7,609
86,895.57	7,506,946	877	713	8.26	1.16	278,154.39	110	20,288.2	6,718
102,655.24	9,377,306	1,046	747	8.18	1.09	459,166.24	208	24,522.6	9,581
56,891.62	4,939,449	599	687	7.91	1.15	69,054.83	82	4,167.7	5,288
58,686.23	4,352,208	621	584	7.88	1.34	215,283.44	86	9,051.1	5,650
55,855.09	3,378,691	585	481	7.96	1.65	70,533.20	115	3,507.2	5,184
138,889.28	6,429,643	1,030	520	11.24	2.16	53,882.19	107	2,019.1	9,107
2,699,201.06	193,199,218	22,651	710	9.93	1.40	*4,951,541.12	4,332	208,622.0	178,956
43,151.44	1,099,240	293	312	12.27	3.93	272,523.60	741	10,835.0	1,220
43,619.36	3,720,192	448	692	8.11	1.17	248,613.29	95	12,011.1	3,752
414,694.80	29,004,447	3,111	777	11.11	1.42	808,488.15	494	36,899.2	29,702
48,864.26	3,883,115	462	700	8.81	1.26	114,155.80	97	6,539.6	3,931

NOTE—The above group of 26 cities utilizes about 80 per cent of the power distributed by the Commission to Ontario municipalities.  
\*Does not include street railway power.

of Population, 2,000 or more

8,997.66	553,443	131	352	5.72	1.62	7,663.22	16	344.2	875
9,897.31	383,643	145	220	5.72	2.58	18,174.61	19	852.6	1,010
10,500.80	687,490	147	390	5.95	1.53	10,694.57	14	581.0	893
48,375.53	3,162,239	404	652	9.98	1.53	26,957.88	46	1,420.9	2,831
10,976.96	565,414	155	303	5.90	1.95	58,610.04	27	2,392.0	1,381
20,105.14	1,269,444	272	389	6.16	1.58	24,929.34	53	1,403.3	1,960
29,035.55	2,567,608	403	531	6.00	1.13	53,477.06	74	3,065.6	3,491
9,122.07	455,179	182	200	4.17	2.00	29,033.93	17	1,472.5	1,266
19,729.49	1,003,797	214	391	7.68	1.87	28,983.92	47	1,474.6	1,667
16,081.92	886,691	208	355	6.44	1.81	37,950.55	46	2,143.3	1,827
14,647.45	913,273	190	401	6.42	1.60	40,026.30	37	2,438.6	1,599
16,330.53	1,050,711	210	417	6.48	1.55	18,884.72	28	1,122.5	1,264
9,636.31	430,978	120	299	6.69	2.24	11,338.98	24	523.2	693
9,495.26	483,140	118	341	6.71	1.97	24,808.91	13	976.8	903
26,761.60	1,637,235	254	537	8.78	1.63	3,390.26	25	172.1	3,666



**STATEMENT**  
**Statistics Relating to the Supply of Electrical Energy to Consumers**  
**For Domestic Service, for Commercial Light Service**  
**Group II—TOWNS**

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Georgetown.....	Nia.	2,498	20,977.74	1,428,965	815	146	2.14	1.47
Goderich.....	Nia.	4,886	35,244.93	2,229,930	1,324	140	2.22	1.58
Gravenhurst.....	G.B.	2,303	11,341.26	951,002	524	151	1.80	1.19
Hanover.....	G.B.	3,318	22,178.27	1,329,052	805	138	2.30	1.67
Hespeler.....	Nia.	2,967	18,721.41	1,252,820	824	127	1.89	1.49
Humberstone.....	Nia.	2,896	11,561.37	633,452	715	74	1.35	1.83
Huntsville.....	G.B.	2,909	14,221.81	1,260,585	734	143	1.61	1.13
Ingersoll.....	Nia.	5,616	33,205.13	2,557,354	1,503	142	1.84	1.30
Kincardine.....	G.B.	2,254	16,038.37	647,153	701	77	1.91	2.48
Kingsville.....	Nia.	2,367	14,745.37	947,582	632	125	1.94	1.55
Leamington.....	Nia.	5,534	28,529.26	2,124,393	1,627	109	1.46	1.34
Lindsay.....	E.O.	7,773	46,916.13	3,415,769	2,104	135	1.85	1.37
Listowel.....	Nia.	3,002	17,639.60	1,218,819	795	128	1.85	1.45
Long Branch.....	Nia.	4,600	34,788.69	2,316,616	1,533	126	1.89	1.50
Meaford.....	G.B.	2,676	14,326.52	715,328	744	80	1.60	2.00
Merritton.....	Nia.	3,131	17,682.93	1,415,410	856	138	1.72	1.25
Midland.....	G.B.	6,475	37,362.20	2,615,055	1,694	129	1.84	1.43
Mimico.....	Nia.	7,641	64,161.00	4,936,309	2,155	191	2.48	1.30
Napanee.....	E.O.	3,277	26,350.62	1,759,057	874	168	2.51	1.50
New Toronto.....	Nia.	7,855	42,963.44	3,148,407	1,951	134	1.84	1.36
Niagara-on-the-Lake....	Nia.	2,019	17,213.82	1,488,273	600	207	2.39	1.16
Orangeville.....	G.B.	2,552	16,074.54	916,395	750	102	1.79	1.75
Paris.....	Nia.	4,604	25,692.20	2,089,027	1,208	144	1.77	1.23
Penetanguishene.....	G.B.	4,037	13,306.04	664,217	728	76	1.52	2.00
Perth.....	E.O.	4,286	26,261.71	1,944,490	1,061	152	2.06	1.35
Petrolia.....	Nia.	2,681	13,264.81	737,387	770	79	1.43	1.79
Picton.....	E.O.	3,570	25,283.67	1,656,330	1,150	120	1.83	1.53
Port Colborne.....	Nia.	6,903	33,904.81	1,815,460	1,602	94	1.76	1.87
Port Elgin.....	G.B.	2,061	11,716.07	626,280	491	106	1.99	1.87
Port Hope.....	E.O.	4,962	31,742.92	2,505,168	1,437	145	1.84	1.27
Prescott.....	E.O.	3,120	21,784.45	1,701,732	775	183	2.34	1.28
Preston.....	Nia.	6,606	36,095.34	2,760,495	1,637	141	1.84	1.31
Riverside.....	Nia.	5,525	42,087.09	2,154,025	1,475	122	2.38	1.95
St. Marys.....	Nia.	4,017	27,706.35	1,897,430	1,020	155	2.26	1.46
Simcoe.....	Nia.	5,955	27,541.38	1,900,382	1,643	96	1.40	1.45
Smiths Falls.....	E.O.	7,418	50,626.81	3,993,625	1,983	168	2.13	1.27
Strathroy.....	Nia.	2,873	22,098.18	1,786,893	835	178	2.21	1.24
Swansea.....	Nia.	6,872	74,305.80	5,713,216	2,158	221	2.87	1.30
Tecumseh.....	Nia.	2,570	15,869.28	607,030	682	74	1.94	2.61
Thorold.....	Nia.	5,284	21,931.50	1,653,171	1,247	110	1.47	1.33
Tillsonburg.....	Nia.	3,981	19,550.44	1,273,380	1,204	88	1.35	1.54
Trenton.....	E.O.	7,636	47,906.88	3,496,891	1,736	168	2.30	1.37
Walkerton.....	G.B.	2,617	18,429.08	1,053,718	664	132	2.31	1.75
Wallaceburg.....	Nia.	4,976	22,745.06	1,323,865	1,279	86	1.48	1.71
Waterloo.....	Nia.	8,885	72,250.77	7,265,880	2,210	274	2.72	0.99
Weston.....	Nia.	5,784	57,256.80	5,960,885	1,610	309	2.96	0.96
Whitby.....	E.O.	4,282	31,308.76	2,289,198	1,007	189	2.59	1.37
Wingham.....	G.B.	2,061	13,050.79	730,803	580	105	1.88	1.79

“D”—Continued  
in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1942  
population, 2,000 or more

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
8,464.17	502,486	129	325	5.47	1.68	32,450.00	28	1,486.4	972
18,383.41	844,190	246	286	6.23	2.18	18,558.46	20	836.7	1,590
12,392.52	1,121,028	118	792	8.75	1.11	15,529.70	15	795.6	657
8,791.57	423,074	136	259	5.39	2.08	22,798.90	25	1,028.7	966
5,089.03	293,420	85	288	4.99	1.74	58,121.28	28	2,595.4	937
3,761.60	261,507	79	276	3.97	1.44	5,561.27	11	286.8	805
11,392.52	761,967	133	477	7.14	1.50	15,359.60	16	991.7	883
17,861.94	1,209,875	224	450	6.64	1.48	45,112.43	44	2,364.9	1,771
8,588.28	291,602	116	209	6.17	2.95	12,162.42	16	505.1	833
8,842.46	500,347	157	266	4.69	1.76	6,131.01	20	340.6	809
18,811.14	1,406,743	272	431	5.76	1.33	21,037.58	33	1,098.1	1,932
30,518.36	1,646,529	325	422	7.82	1.85	61,514.36	70	2,655.1	2,499
12,966.94	780,374	157	414	6.88	1.67	19,324.54	23	960.8	975
6,674.31	424,985	102	347	5.45	1.57	5,620.89	9	262.6	1,644
8,889.96	443,788	149	248	4.97	2.00	9,813.48	18	532.9	911
4,190.68	337,787	61	461	5.72	1.24	194,125.28	16	9,384.7	933
19,394.49	1,180,424	196	502	8.25	1.64	74,141.40	54	4,313.2	1,944
11,141.38	705,033	144	408	6.43	1.58	15,563.54	23	633.3	2,322
18,000.77	890,048	200	371	7.50	2.02	10,905.58	25	578.8	1,099
21,013.53	1,634,705	228	597	7.68	1.29	268,990.34	39	11,677.0	2,218
7,765.07	473,915	104	380	6.22	1.64	5,406.28	12	205.4	716
10,049.99	519,047	150	288	5.58	1.94	7,502.06	25	425.7	925
9,127.60	794,699	192	344	3.96	1.15	24,466.68	25	1,445.5	1,425
8,759.76	423,016	107	329	6.82	2.07	21,729.57	22	889.0	857
15,990.55	954,948	197	404	6.76	1.67	17,515.53	27	974.9	1,285
8,863.68	433,038	162	222	4.55	2.04	24,871.66	62	918.1	994
16,251.46	972,451	202	401	6.70	1.67	6,284.04	34	429.3	1,386
21,998.32	1,272,515	237	447	7.73	1.73	27,476.00	29	1,302.0	1,868
5,987.90	266,274	105	211	4.75	2.25	4,198.59	6	223.2	602
14,663.30	824,890	212	324	5.76	1.78	35,124.40	37	1,817.0	1,686
12,893.56	742,023	161	384	6.67	1.73	10,586.12	23	586.2	959
20,199.76	1,243,649	225	461	7.48	1.62	63,610.85	46	3,415.0	1,908
6,022.09	318,701	60	443	8.36	1.88	7,196.14	14	277.3	1,549
10,166.69	489,145	164	249	5.17	2.08	24,846.57	38	1,071.6	1,222
32,005.11	2,092,153	384	454	6.95	1.53	28,402.05	42	1,623.3	2,069
17,268.63	1,177,578	286	343	5.06	1.47	27,040.10	42	1,442.0	2,311
12,043.10	757,900	175	361	5.73	1.59	15,026.72	32	835.0	1,042
10,109.78	588,914	81	606	10.40	1.72	27,551.04	16	1,180.6	2,255
5,580.32	256,700	52	411	8.94	2.17	2,553.34	2	101.7	736
8,780.73	800,135	164	407	4.46	1.10	40,469.85	16	1,957.3	1,427
17,979.58	1,265,551	240	439	6.24	1.42	14,216.52	35	811.4	1,479
26,320.43	1,396,980	259	449	8.47	1.88	85,105.31	55	3,813.3	2,050
11,189.87	538,992	140	321	6.66	2.08	10,421.23	20	389.9	824
15,390.29	1,013,555	243	348	5.28	1.51	82,911.70	41	3,315.8	1,563
28,301.39	2,137,601	248	718	9.51	1.32	61,350.38	72	3,234.6	2,530
13,102.59	1,114,795	180	516	6.07	1.18	66,190.51	31	3,231.0	1,821
14,229.99	839,040	162	431	7.20	1.70	19,611.79	25	857.9	1,194
8,824.92	388,037	145	223	5.07	2.27	11,172.66	22	469.0	747

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group III—SMALL TOWNS (less than 2,000 population),

NOTE—The power used in the smaller places and rural districts is a relatively small proportion of the power distributed by the Commission. Thus, the power used by the small municipalities in the following group, which includes small towns, villages and certain suburban areas in townships, is less than 10 per cent of the power distributed by the Commission to Ontario municipalities. This relatively small proportion of the total power, however, exerts upon the

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Acton.....	Nia.	1,954	13,479.95	1,044,789	542	161	2.07	1.3
Agincourt.....	Nia.	P.V.	5,871.58	386,805	167	193	2.93	1.5
Ailsa Craig.....	Nia.	457	2,666.78	146,612	146	84	1.52	1.8
Alexandria.....	E.O.	1,952	7,275.45	224,833	390	48	1.55	3.2
Alliston.....	G.B.	1,590	12,236.99	552,330	400	115	2.55	2.2
Alvinston.....	Nia.	645	3,989.88	93,400	190	41	1.75	4.3
Ancaster Twp.....	Nia.	.....	13,454.11	815,798	380	179	2.95	1.6
Apple Hill.....	E.O.	P.V.	1,430.90	31,593	67	39	1.78	4.5
Arkona.....	Nia.	385	3,140.27	83,292	112	62	2.34	3.8
Arthur.....	G.B.	1,043	5,719.68	147,550	225	55	2.12	3.9
Athens.....	E.O.	676	3,053.22	70,320	163	36	1.56	4.3
Ayr.....	Nia.	772	6,121.91	349,167	219	133	2.33	1.8
Baden.....	Nia.	P.V.	4,052.79	315,890	161	164	2.10	1.3
Bath.....	E.O.	352	2,348.65	64,990	56	97	3.50	3.6
Beachville.....	Nia.	P.V.	3,801.65	218,140	167	109	1.90	1.7
Beamsville.....	Nia.	1,251	11,592.27	897,264	384	195	2.52	1.3
Beaverton.....	G.B.	904	6,847.12	392,552	317	103	1.80	1.7
Beeton.....	G.B.	634	3,617.06	94,110	139	56	2.17	3.8
Belle River.....	Nia.	844	5,167.35	206,670	264	65	1.63	2.5
Blenheim.....	Nia.	1,812	9,405.49	542,228	555	81	1.41	1.7
Bloomfield.....	E.O.	612	3,311.62	136,293	174	65	1.59	2.4
Blyth.....	Nia.	652	3,753.05	142,323	181	66	1.73	2.6
Bolton.....	Nia.	590	4,588.69	264,988	186	119	2.06	1.7
Bothwell.....	Nia.	644	2,638.99	159,035	185	71	1.18	1.6
Bradford.....	G.B.	947	6,846.92	235,430	269	73	2.12	2.9
Brantford Twp.....	Nia.	.....	28,412.04	1,661,648	1,325	105	1.79	1.7
Brechin.....	G.B.	P.V.	1,550.91	38,313	58	55	2.23	4.0
Bridgeport.....	Nia.	P.V.	5,220.34	254,345	174	122	2.50	2.1
Brigden.....	Nia.	P.V.	2,330.50	77,070	124	51	1.56	3.0
Brighton.....	E.O.	1,465	11,036.95	381,594	552	58	1.67	2.9
Brussels.....	Nia.	760	4,667.62	167,858	250	56	1.56	2.8
Burford.....	Nia.	P.V.	5,470.66	365,612	245	124	1.86	1.5
Burgessville.....	Nia.	P.V.	1,813.39	62,969	56	94	2.70	2.9
Caledonia.....	Nia.	1,425	6,923.18	360,242	447	67	1.29	1.9
Campbellville.....	Nia.	P.V.	1,511.04	40,598	53	64	2.38	3.7
Cannington.....	G.B.	762	5,387.70	227,240	247	77	1.82	2.4
Capreol.....	N.O.P.	1,660	9,640.42	347,304	336	86	2.39	2.7
Cardinal.....	E.O.	1,642	8,396.54	535,360	384	116	1.82	1.6
Cayuga.....	Nia.	687	3,924.85	133,787	181	62	1.81	2.9
Chatsworth.....	G.B.	325	2,302.14	94,797	98	81	1.96	2.4



## "D"—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1942

## VILLAGES AND SUBURBAN AREAS

economic life of the Province a most beneficial influence. It should further be appreciated that about 35 per cent of these municipalities obtain their power, not from Niagara, but from relatively small water-power developments throughout the Province, or from purchased power. The net cost per kilowatt-hour given in the table is the cost inclusive of all charges. Consult also introduction to Statement "D", page 300.

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
5,456.94	346,930	87	332	5.23	1.6	31,176.25	18	1,249.1	647
1,174.86	43,862	26	141	3.77	2.7	1,150.76	3	62.8	196
1,176.66	48,188	34	118	2.88	2.4	1,358.01	4	54.9	184
4,879.13	146,816	99	157	4.11	3.3	3,716.51	15	97.7	504
8,783.18	277,951	107	216	6.84	3.2	3,742.86	15	198.4	522
1,923.82	55,667	52	89	3.08	3.5	537.54	3	17.4	245
3,283.50	146,402	45	271	6.08	2.2	1,256.11	8	66.7	433
961.30	33,890	21	134	3.82	2.8	500.48	2	21.9	90
1,575.93	36,768	32	96	4.10	4.3	233.20	2	4.7	146
4,673.79	109,832	78	117	4.99	4.2	1,511.73	8	86.5	311
1,622.83	53,123	42	105	3.22	3.1	834.97	1	32.0	206
2,140.63	105,844	44	200	4.05	2.0	672.20	5	36.3	268
2,226.65	110,761	36	256	5.15	2.1	10,549.55	3	414.4	200
713.37	13,950	10	116	5.94	5.1	.....	.....	.....	66
674.66	25,740	23	93	2.44	2.6	16,726.08	4	650.3	194
5,439.09	233,096	74	262	6.13	2.3	2,105.98	4	105.6	462
2,575.56	144,381	64	188	3.35	1.8	1,067.59	7	59.2	388
2,306.86	55,395	31	149	6.20	4.2	3,295.97	5	102.2	175
2,538.68	122,486	45	226	4.79	2.1	1,625.44	2	46.4	311
8,499.62	499,472	136	306	5.20	1.7	5,349.62	15	238.0	706
2,305.35	87,091	42	173	4.57	2.6	1,232.95	7	41.6	223
2,205.04	82,283	47	146	3.91	2.7	1,073.08	4	49.2	232
1,990.18	78,251	47	139	3.53	2.5	2,466.24	9	109.3	242
2,029.32	116,910	53	183	3.19	1.7	948.12	7	87.9	245
4,544.30	127,729	74	144	5.12	3.6	4,608.85	11	184.6	354
4,508.25	339,613	56	505	6.71	1.3	6,609.38	7	252.0	1,388
601.21	23,050	22	87	2.28	2.6	783.00	3	36.0	83
1,611.23	59,834	20	249	6.71	2.7	244.85	2	9.5	196
1,921.22	67,555	37	152	4.32	2.8	701.23	4	21.4	165
4,355.62	171,473	94	152	3.86	2.5	4,353.87	10	213.6	656
3,143.61	105,374	69	127	3.80	3.0	963.89	4	35.7	323
1,852.29	106,231	38	233	4.06	1.7	1,466.65	3	84.1	286
599.23	18,083	16	94	3.12	3.3	253.38	2	14.7	74
5,431.64	343,134	100	286	4.53	1.6	2,270.42	10	101.6	557
785.95	22,083	12	153	5.45	3.6	196.57	1	4.3	66
2,210.06	76,765	65	98	2.83	2.9	2,595.71	10	120.5	322
3,554.02	147,554	52	236	5.69	2.4	739.25	1	25.0	389
2,426.37	116,210	58	167	3.49	2.1	356.97	2	18.0	444
3,655.94	114,313	66	144	4.62	3.2	893.16	6	44.1	253
1,131.20	54,898	30	152	3.14	2.1	.....	...	....	128

## STATEMENT

**Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service**

**Group III—SMALL TOWNS (less than 2,000 population),**

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Chesley .....	G.B.	1,771	9,914.84	631,900	457	115	1.81	1.6
Chesterville .....	E.O.	1,073	5,005.57	363,700	245	124	1.70	1.4
Chippawa .....	Nia.	1,320	8,658.41	682,256	352	162	2.05	1.3
Clifford .....	Nia.	452	2,847.74	114,568	131	73	1.81	2.5
Clinton .....	Nia.	1,922	14,829.37	947,129	573	138	2.16	1.6
Cobden .....	E.O.	659	2,392.63	98,077	147	55	1.35	2.4
Colborne .....	E.O.	952	6,267.73	298,945	275	91	1.90	2.1
Coldwater .....	G.B.	563	3,579.07	182,124	157	97	1.90	2.0
Comber .....	Nia.	P.V.	2,258.29	82,788	115	60	1.64	2.7
Cookstown .....	G.B.	P.V.	2,461.34	64,027	112	48	1.83	3.8
Cottam .....	Nia.	P.V.	2,758.68	106,595	129	69	1.78	2.6
Courtright .....	Nia.	341	1,513.26	41,949	78	44	1.61	3.6
Creemore .....	G.B.	666	3,593.41	128,495	168	64	1.78	2.8
Dashwood .....	Nia.	P.V.	2,191.66	74,950	99	63	1.84	2.9
Delaware .....	Nia.	P.V.	2,037.56	121,499	66	153	2.57	1.7
Delhi .....	Nia.	1,908	11,924.64	608,720	592	87	1.70	2.0
Deseronto .....	E.O.	1,002	6,650.46	238,483	347	58	1.60	2.8
Dorchester .....	Nia.	P.V.	2,884.77	156,467	148	88	1.62	1.8
Drayton .....	Nia.	526	3,445.96	123,133	168	61	1.71	2.8
Dresden .....	Nia.	1,529	7,212.40	379,008	469	67	1.28	1.9
Drumbo .....	Nia.	P.V.	2,459.19	118,218	85	116	2.41	2.1
Dublin .....	Nia.	P.V.	1,262.88	51,006	57	75	1.85	2.5
Dundalk .....	G.B.	688	3,535.78	174,130	203	71	1.45	2.0
Durham .....	G.B.	1,959	7,323.28	424,994	468	76	1.30	1.7
Dutton .....	Nia.	804	3,123.83	206,180	226	76	1.15	1.5
East York Twp. ....	Nia.	.....	241,405.89	16,245,060	11,108	121	1.81	1.5
Elmvale .....	G.B.	P.V.	3,822.88	177,750	196	76	1.63	2.2
Elmwood .....	G.B.	P.V.	1,192.31	31,346	67	39	1.48	3.8
Elora .....	Nia.	1,208	8,559.41	446,162	357	104	2.00	1.9
Embro .....	Nia.	420	3,369.35	192,596	119	135	2.36	1.7
Erieau .....	Nia.	243	4,224.12	165,677	190	72	1.85	2.5
Erie Beach .....	Nia.	24	1,623.19	29,853	83	30	1.63	5.4
Essex .....	Nia.	1,952	8,664.84	506,340	516	82	1.40	1.7
Etobicoke Twp. ....	Nia.	.....	191,834.22	16,309,759	5,521	246	2.90	1.2
Exeter .....	Nia.	1,582	13,426.90	946,653	525	150	2.13	1.4
Finch .....	E.O.	393	2,376.43	135,244	102	110	1.94	1.8
Flesherton .....	G.B.	458	2,052.94	81,395	132	51	1.30	2.5
Fonthill .....	Nia.	919	6,093.58	309,333	287	90	1.77	2.0
Forest .....	Nia.	1,569	13,073.65	768,430	485	132	2.25	1.7
Glencoe .....	Nia.	764	4,864.90	187,761	224	70	1.81	2.6

## “D”—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1942

## VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
5,883.63	312,190	90	289	5.45	1.9	7,020.90		391.6	567
3,879.88	168,860	69	204	4.69	2.3	2,478.14	4	109.8	318
3,044.86	197,921	46	359	5.52	1.5	1,203.05	2	42.2	400
1,733.38	65,463	34	160	4.25	2.6	747.88	2	20.5	167
8,522.81	432,478	117	308	6.07	1.9	6,342.38	18	288.0	708
2,140.21	61,995	49	105	3.63	3.5	323.76	1	11.6	197
2,803.06	116,108	68	142	3.44	2.4	824.73	5	43.7	348
1,315.65	36,922	51	60	2.15	3.6	644.95	2	27.3	210
1,891.23	64,401	45	126	3.50	2.9	2,356.65	4	85.6	164
1,461.28	29,508	34	72	3.58	5.0	1,218.20	3	60.1	149
1,736.41	76,252	28	227	5.17	2.3	334.96	2	19.0	159
743.84	26,583	19	116	3.26	2.7	974.64	1	12.5	98
1,521.77	60,535	49	103	2.59	2.5	1,279.24	3	71.5	220
1,169.45	40,620	27	125	3.61	2.9	1,044.93	2	39.0	128
655.59	22,657	15	126	3.64	2.9	.....	.....	.....	81
10,214.35	452,072	150	251	5.67	2.3	7,638.68	8	271.7	750
3,068.77	104,910	60	146	4.26	2.9	1,995.04	5	71.9	412
1,055.74	45,931	29	132	3.03	2.3	712.14	2	35.9	179
1,947.08	59,401	61	81	2.66	3.3	1,276.67	5	56.0	234
6,507.55	357,407	121	246	4.48	1.8	4,050.65	11	268.6	601
1,084.64	47,535	26	152	3.48	2.3	823.82	1	34.9	112
855.24	32,081	27	99	2.64	2.7	1,517.53	2	61.4	86
3,335.71	118,292	72	137	3.86	2.8	3,217.83	6	162.8	281
4,889.93	241,274	102	197	4.00	2.0	4,489.14	12	217.0	582
2,514.99	132,580	66	167	3.18	1.9	3,526.72	11	200.9	303
30,890.41	1,807,865	489	308	5.26	1.7	45,060.63	41	1,827.3	11,638
1,637.42	76,469	49	130	2.78	2.1	3,039.05	6	134.6	251
697.52	17,891	19	78	3.06	3.9	1,249.75	1	41.8	87
4,626.46	205,602	68	252	5.67	2.3	4,624.42	4	238.5	429
1,235.29	37,063	36	86	2.86	3.3	763.45	2	38.0	157
1,611.75	60,120	15	334	8.95	2.7	584.35	2	26.2	207
210.69	6,390	3	177	5.85	3.3	.....	.....	.....	86
8,412.55	558,524	127	366	5.52	1.5	8,840.47	20	531.4	663
30,092.12	1,940,875	290	558	8.65	1.6	38,132.45	41	1,758.3	5,852
7,386.74	375,978	119	263	5.17	2.0	4,101.33	14	262.5	658
1,858.36	63,428	33	160	4.69	2.9	321.67	1	11.3	136
1,655.53	58,385	47	104	2.94	2.8	762.15	2	34.0	181
1,976.39	90,760	34	222	4.84	2.2	493.67	3	18.3	324
7,273.28	298,553	130	191	4.66	2.4	5,193.87	19	238.9	634
4,217.45	164,942	79	174	4.45	2.6	3,555.75	9	114.1	312



## STATEMENT

**Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service**

**Group III—SMALL TOWNS (less than 2,000 population),**

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Grand Valley.....	G.B.	692	3,685.67	103,310	181	48	1.70	3.6
Granton.....	Nia.	P.V.	2,126.04	107,177	78	114	2.27	2.0
Hagersville.....	Nia.	1,429	7,546.79	428,769	408	88	1.54	1.8
Harriston.....	Nia.	1,287	7,654.87	428,303	388	92	1.64	1.8
Harrow.....	Nia.	1,086	10,852.37	782,606	332	196	2.72	1.4
Hastings.....	E.O.	763	4,033.78	139,549	228	51	1.47	2.9
Havelock.....	E.O.	907	4,459.67	190,826	284	56	1.31	2.3
Hensall.....	Nia.	680	4,597.12	206,540	217	79	1.77	2.2
Highgate.....	Nia.	312	1,683.02	62,950	104	50	1.35	2.7
Holstein.....	G.B.	P.V.	1,063.67	17,970	52	29	1.70	5.9
Iroquois.....	E.O.	1,104	6,384.70	269,770	272	83	1.96	2.3
Jarvis.....	Nia.	550	3,021.96	111,569	159	58	1.58	2.7
Kemptville.....	E.O.	1,159	7,596.64	388,755	362	89	1.74	2.0
Kirkfield.....	G.B.	P.V.	936.13	20,260	34	50	2.29	4.6
Lakefield.....	E.O.	1,267	6,752.92	294,356	345	71	1.63	2.3
Lambeth.....	Nia.	P.V.	3,385.59	206,465	136	127	2.07	1.6
Lanark.....	E.O.	660	2,776.91	95,085	169	47	1.36	2.9
Lancaster.....	E.O.	582	2,145.31	62,994	108	49	1.66	3.4
La Salle.....	Nia.	1,010	8,548.33	493,155	242	170	2.94	1.7
London Twp.....	Nia.	.....	15,015.07	1,191,870	478	208	2.62	1.3
Lucan.....	Nia.	621	4,702.25	262,346	170	129	2.31	1.8
Lucknow.....	G.B.	964	6,034.78	210,711	272	65	1.85	2.9
Lynden.....	Nia.	P.V.	2,823.71	145,077	102	119	2.31	1.9
Madoc.....	E.O.	1,130	5,178.29	217,483	308	59	1.40	2.4
Markdale.....	G.B.	781	3,858.25	150,340	220	57	1.46	2.6
Markham.....	Nia.	1,126	8,194.55	507,010	337	125	2.03	1.6
Marmora.....	E.O.	983	4,480.06	149,310	240	52	1.56	3.0
Martintown.....	E.O.	P.V.	759.57	35,936	51	59	1.24	2.1
Maxville.....	E.O.	811	3,296.02	114,420	163	58	1.69	2.9
Merlin.....	Nia.	P.V.	2,519.21	88,924	126	59	1.67	2.8
Mildmay.....	G.B.	779	3,916.33	210,768	172	102	1.90	1.9
Millbrook.....	E.O.	763	4,349.32	103,975	170	51	2.13	4.2
Milton.....	Nia.	1,922	13,906.11	833,846	540	129	2.15	1.7
Milverton.....	Nia.	995	5,425.93	354,840	257	115	1.76	1.5
Mitchell.....	Nia.	1,678	13,041.52	926,631	511	151	2.13	1.4
Moorefield.....	Nia.	P.V.	1,090.85	32,575	57	48	1.59	3.3
Morrisburg.....	E.O.	1,518	9,539.55	554,254	406	114	1.96	1.7
Mt. Brydges.....	Nia.	P.V.	2,961.13	140,438	156	75	1.58	2.1
Mt. Forest.....	G.B.	1,936	9,233.46	443,710	463	80	1.66	2.1
Neustadt.....	G.B.	414	2,294.18	37,465	104	30	1.84	6.1

## "D"—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the Year 1942

## VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
2,379.27	60,355	54	93	3.67	3.9	2,287.17	6	92.9	241
1,144.49	50,457	29	145	3.29	2.3	.....	.....	.....	107
6,480.30	373,703	112	278	4.82	1.7	19,021.49	14	953.5	534
5,028.11	232,724	104	186	4.03	2.2	6,184.94	11	265.2	503
5,323.08	233,466	90	216	4.93	2.3	3,740.60	7	167.2	429
2,259.52	65,526	53	103	3.55	3.4	190.97	3	15.2	284
2,416.39	67,196	53	106	3.79	3.6	1,820.22	2	66.3	339
2,422.56	78,740	60	109	3.36	3.1	3,015.10	14	149.0	291
791.50	26,675	35	64	1.88	3.0	1,260.58	6	64.3	145
678.63	17,090	20	71	2.83	4.0	273.93	2	17.5	74
3,487.78	168,560	94	149	3.09	2.1	1,836.84	3	65.0	369
2,189.22	107,118	41	218	4.45	2.0	3,594.25	3	138.5	203
4,916.71	232,380	81	239	5.05	2.1	4,359.93	5	176.6	448
985.68	19,124	19	84	4.32	5.2	.....	.....	.....	53
4,590.52	191,793	70	228	5.46	2.4	4,866.42	8	231.4	423
1,226.02	46,840	21	185	4.87	2.6	643.38	3	57.9	160
1,712.62	54,261	41	110	3.48	3.2	.....	.....	.....	210
1,177.92	37,550	29	108	3.38	3.1	.....	.....	.....	137
1,252.65	44,173	12	307	8.70	2.8	177.50	2	9.3	256
1,994.22	141,525	20	590	8.31	1.4	1,747.19	5	87.6	503
2,358.93	85,879	49	146	4.01	2.7	1,322.86	6	66.6	225
5,288.19	137,215	87	131	5.07	3.9	7,656.56	7	234.4	366
769.18	27,697	17	136	3.77	2.8	822.61	2	45.0	121
3,984.63	147,127	84	146	3.95	2.7	1,333.47	4	70.7	396
3,174.91	116,690	68	143	3.89	2.7	2,515.69	9	137.6	297
3,086.99	144,626	71	170	3.62	2.1	3,076.51	9	150.0	417
2,114.47	92,933	41	188	4.29	2.3	259.54	2	23.6	283
875.46	34,838	24	121	3.04	2.5	.....	.....	.....	75
2,734.72	63,037	48	108	4.75	4.3	.....	.....	.....	211
2,186.24	83,354	50	139	3.64	2.6	855.46	3	31.4	179
2,787.21	98,759	54	152	4.30	2.8	1,065.87	2	28.9	228
2,021.92	35,855	60	50	2.80	5.6	780.68	3	18.4	233
7,167.47	381,851	102	312	5.86	1.9	26,726.78	17	1,108.9	659
4,529.07	195,780	74	220	5.10	2.3	3,767.61	10	256.7	341
6,285.38	356,728	128	232	4.09	1.8	6,553.64	22	325.3	661
1,527.99	56,930	25	190	5.09	2.7	46.43	1	3.0	83
6,428.34	237,819	98	202	5.47	2.7	2,879.53	14	170.8	518
988.28	38,053	35	91	2.35	2.6	1,037.78	5	48.6	196
8,654.14	397,255	141	235	5.11	2.2	6,421.68	16	279.6	620
1,198.24	28,194	25	94	3.99	4.2	1,729.33	2	55.0	131

## STATEMENT

**Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service**

**Group III—SMALL TOWNS (less than 2,000 population),**

Municipality	System	Popula- tion	Domestic service					
			Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Newbury.....	Nia.	245	1,208.61	28,837	62	39	1.62	4.2
Newcastle.....	E.O.	686	5,625.22	226,931	226	83	2.07	2.5
New Hamburg.....	Nia.	1,438	10,782.05	653,993	367	148	2.45	1.6
Nipigon Twp.....	T.B.	.....	4,490.07	240,032	239	84	1.56	1.9
North York Twp.....	Nia.	.....	233,812.65	12,723,818	6,415	165	3.04	1.8
Norwich.....	Nia.	1,297	8,899.36	634,480	386	137	1.92	1.4
Norwood.....	E.O.	710	4,954.26	217,660	234	78	1.76	2.3
Oil Springs.....	Nia.	506	1,882.15	103,638	104	83	1.50	1.8
Omeme.....	E.O.	641	3,374.38	138,132	177	65	1.59	2.4
Orono.....	E.O.	P.V.	4,454.91	143,389	179	66	2.07	3.1
Otterville.....	Nia.	P.V.	2,534.24	122,360	140	73	1.51	2.1
Paisley.....	G.B.	715	4,089.96	113,586	199	48	1.71	3.6
Palmerston.....	Nia.	1,419	10,813.41	802,684	397	168	2.27	1.3
Parkhill.....	Nia.	907	5,712.19	248,990	294	71	1.62	2.3
Plattsville.....	Nia.	P.V.	2,830.33	112,750	117	80	2.02	2.5
Point Edward.....	Nia.	1,175	6,340.90	272,535	329	69	1.61	2.3
Port Credit.....	Nia.	1,728	18,515.56	1,647,382	606	227	2.55	1.1
Port Dalhousie.....	Nia.	1,517	20,148.10	1,665,109	675	206	2.49	1.2
Port Dover.....	Nia.	1,784	10,562.14	587,138	738	66	1.19	1.8
Port McNicoll.....	G.B.	964	4,193.71	142,775	234	51	1.49	2.9
Port Perry.....	G.B.	1,230	8,355.87	347,375	376	77	1.85	2.4
Port Rowan.....	Nia.	657	2,931.80	108,310	151	60	1.62	2.7
Port Stanley.....	Nia.	859	16,404.17	1,041,923	772	112	1.77	1.6
Priceville.....	G.B.	P.V.	721.86	10,821	34	27	1.77	6.7
Princeton.....	Nia.	P.V.	2,663.38	124,946	90	115	2.47	2.1
Queenston.....	Nia.	P.V.	3,634.77	294,482	83	296	3.65	1.2
Richmond.....	E.O.	421	2,485.83	101,294	84	100	2.47	2.5
Richmond Hill.....	Nia.	1,345	10,644.76	872,469	392	185	2.26	1.2
Ridgetown.....	Nia.	1,949	9,060.20	568,230	593	80	1.27	1.6
Ripley.....	G.B.	402	3,359.72	81,700	116	59	2.41	4.1
Rockwood.....	Nia.	P.V.	4,329.90	232,830	174	112	2.07	1.9
Rodney.....	Nia.	721	3,260.84	152,870	239	54	1.14	2.1
Rosseau.....	G.B.	233	2,879.35	47,293	70	56	3.45	6.1
Russell.....	E.O.	P.V.	2,966.38	103,716	118	73	2.09	2.9
St. Clair Beach.....	Nia.	145	2,887.99	118,330	97	102	2.48	2.4
St. George.....	Nia.	P.V.	3,271.44	157,190	161	81	1.69	2.1
St. Jacobs.....	Nia.	P.V.	4,055.24	298,558	137	182	2.47	1.4
Scarboro Twp.....	Nia.	.....	128,402.23	8,103,908	5,552	122	1.93	1.6
Seaforth.....	Nia.	1,691	11,389.85	680,156	505	112	1.88	1.7
Shelburne.....	G.B.	1,050	5,857.49	227,160	302	63	1.62	2.6
Sioux Lookout.....	N.O.P.	1,950	16,628.16	356,912	482	62	2.87	4.7
Smithville.....	Nia.	P.V.	4,029.28	135,893	184	62	1.82	3.0
Southampton.....	G.B.	1,561	10,871.80	625,789	550	95	1.65	1.7
Springfield.....	Nia.	417	2,113.37	78,050	112	58	1.57	2.7
Stamford Twp.....	Nia.	.....	72,256.48	6,168,683	2,430	212	2.48	1.2



“D”—Continued

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1942

VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of con- sumers
Revenue	Consumption	Number of con- sumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of con- sumers	Average monthly horse- power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
552.10	11,696	18	54	2.56	4.7	197.30	1	13.6	81
2,697.11	94,291	35	224	6.42	2.9	2,937.48	4	95.6	265
4,724.25	213,986	94	190	4.19	2.2	7,891.11	13	396.7	474
3,968.62	228,400	54	352	6.12	1.7	840.63	5	58.0	298
52,654.69	3,000,140	308	812	14.25	1.8	101,164.96	47	3,312.9	6,770
4,846.55	211,550	89	198	4.54	2.3	1,906.30	9	123.4	484
2,228.66	59,800	55	91	3.38	3.7	539.40	3	29.1	292
1,338.51	58,110	32	151	3.48	2.3	5,759.04	32	172.5	168
993.14	36,371	31	98	2.66	2.7	2,863.23	6	143.1	214
2,144.03	53,687	37	120	4.83	4.0	53.22	1	3.0	217
1,912.43	88,628	45	164	3.54	2.2	540.75	4	33.5	189
2,539.53	79,590	50	133	4.23	3.2	917.96	4	35.8	253
5,090.18	261,341	102	214	4.16	1.9	6,865.97	14	407.2	513
3,260.84	114,080	57	167	4.77	2.9	1,489.43	6	54.0	357
1,441.03	88,422	24	307	5.00	1.6	2,350.98	2	81.9	143
2,560.86	110,527	44	209	4.85	2.3	45,082.95	9	1,696.0	382
7,744.84	469,017	88	444	7.33	1.7	5,471.34	10	224.7	704
4,196.14	290,327	63	384	5.55	1.5	7,578.88	12	401.5	750
5,436.71	309,552	85	303	5.32	1.8	5,286.20	16	263.8	839
727.40	21,530	20	90	3.03	3.4	54.50	1	1.6	255
3,267.53	115,738	75	129	3.63	2.8	2,784.39	11	118.5	462
2,229.69	100,570	40	210	4.65	2.2	107.76	2	6.7	193
4,865.98	230,574	95	202	4.27	2.1	4,042.08	11	213.0	878
226.42	3,244	8	34	2.36	7.0	107.14	1	2.5	43
920.41	31,846	22	121	3.49	2.9	2,202.81	3	85.1	115
1,808.86	86,741	15	482	10.05	2.4	.....	.....	.....	98
1,302.80	47,718	21	189	5.17	2.7	.....	.....	.....	105
4,289.34	245,226	74	276	4.83	1.7	2,252.12	13	131.0	479
7,445.42	395,922	136	243	4.56	1.9	6,831.06	19	387.1	748
1,792.58	43,175	46	78	3.25	4.2	1,597.22	1	63.0	163
883.90	36,290	26	116	2.83	2.4	28.43	1	2.0	201
2,343.80	90,607	71	106	2.75	2.6	2,041.18	6	99.1	316
828.91	14,254	14	85	4.93	5.8	.....	.....	.....	84
1,322.66	33,873	31	91	3.56	3.9	.....	.....	.....	149
2,374.86	97,260	6	1,351	32.98	2.4	182.49	1	10.0	104
1,517.01	73,399	32	191	3.95	2.1	2,520.16	1	93.7	194
1,789.58	79,065	29	227	5.14	2.3	4,479.27	7	204.8	173
25,953.50	1,297,678	371	291	5.83	2.0	34,620.79	38	1,366.7	5,961
7,188.28	419,105	104	336	5.76	1.7	7,871.71	19	409.0	628
3,847.21	163,590	81	168	3.96	2.4	3,185.34	13	194.1	396
12,733.15	261,855	100	218	10.61	4.9	1,369.02	2	32.5	584
2,922.56	95,955	54	148	4.51	3.0	2,700.81	5	129.3	243
5,486.22	239,865	97	206	4.71	2.3	8,939.06	12	327.5	659
841.55	24,367	30	68	2.34	3.4	875.72	3	40.0	145
13,360.15	960,183	163	491	6.83	1.4	16,903.75	20	1,030.1	2,613

## STATEMENT

Statistics Relating to the Supply of Electrical Energy to Consumers  
For Domestic Service, for Commercial Light Service

## Group III—SMALL TOWNS (less than 2,000 population),

Municipality	System	Population	Domestic service					
			Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.
			\$ c.	kw-hr.		kw-hr.	\$ c.	cents
Stayner .....	G.B.	1,150	5,559.02	307,199	313	82	1.48	1.8
Stirling .....	E.O.	922	5,668.14	398,607	285	117	1.66	1.4
Stouffville .....	Nia.	1,219	7,089.92	381,718	403	79	1.47	1.9
Streetsville .....	Nia.	708	5,484.61	302,620	201	125	2.27	1.8
Sunderland .....	G.B.	P.V.	3,012.10	97,728	136	60	1.85	3.1
Sutton .....	Nia.	909	8,370.76	313,480	457	57	1.53	2.7
Tara .....	G.B.	490	3,402.37	88,568	157	47	1.81	3.8
Tavistock .....	Nia.	1,092	8,620.17	582,269	298	163	2.41	1.5
Teeswater .....	G.B.	843	4,806.05	161,140	231	58	1.73	3.0
Thamesford .....	Nia.	P.V.	3,570.45	270,860	141	160	2.11	1.3
Thamesville .....	Nia.	792	3,477.67	186,521	237	66	1.22	1.9
Thedford .....	Nia.	566	3,315.61	97,775	166	49	1.66	3.4
Thorndale .....	Nia.	P.V.	1,789.12	67,792	75	75	1.99	2.6
Thornton .....	G.B.	P.V.	1,640.27	29,390	67	37	2.04	5.6
Tilbury .....	Nia.	1,965	7,263.96	449,490	498	75	1.22	1.6
Toronto Twp. ....	Nia.	.....	80,728.43	5,909,124	2,795	176	2.41	1.4
Tottenham .....	G.B.	476	3,926.71	116,180	142	68	2.30	3.4
Trafalgar Twp. No. 1. ....	Nia.	.....	14,803.07	854,502	378	188	3.26	1.7
Trafalgar Twp. No. 2. ....	Nia.	.....	5,154.50	261,472	154	141	2.79	2.0
Tweed .....	E.O.	1,242	6,409.18	259,713	303	71	1.76	2.5
Uxbridge .....	G.B.	1,366	9,242.50	449,491	399	94	1.93	2.1
Victoria Harbour .....	G.B.	991	3,654.57	133,920	260	43	1.17	2.7
Wardsville .....	Nia.	205	1,549.17	42,219	59	60	2.19	3.7
Warkworth .....	E.O.	P.V.	2,214.14	63,546	136	39	1.36	3.5
Waterdown .....	Nia.	841	5,754.25	396,050	268	123	1.79	1.5
Waterford .....	Nia.	1,261	6,925.71	438,445	393	93	1.47	1.6
Watford .....	Nia.	1,054	7,695.75	414,345	309	112	2.08	1.9
Waubashene .....	G.B.	P.V.	3,313.41	143,210	226	53	1.22	2.3
Wellesley .....	Nia.	P.V.	2,513.44	146,372	135	90	1.55	1.7
Wellington .....	E.O.	927	6,576.52	308,087	345	74	1.59	2.1
West Lorne .....	Nia.	790	3,350.88	172,164	222	65	1.26	1.9
Westport .....	E.O.	681	3,747.17	102,735	138	62	2.26	3.6
Wheatley .....	Nia.	758	3,911.98	168,910	236	60	1.38	2.3
Warton .....	G.B.	1,704	7,727.07	298,350	410	61	1.57	2.6
Williamsburg .....	E.O.	P.V.	1,693.39	126,470	96	110	1.47	1.3
Winchester .....	E.O.	1,146	6,679.17	463,726	302	128	1.84	1.4
Windermere .....	G.B.	118	2,651.05	41,754	64	54	3.45	6.3
Woodbridge .....	Nia.	1,032	8,385.92	554,359	308	150	2.27	1.5
Woodville .....	G.B.	427	2,247.66	91,930	119	64	1.57	2.4
Wyoming .....	Nia.	554	2,625.66	87,361	159	46	1.38	3.0
York Twp. ....	Nia.	.....	547,611.58	32,472,831	21,316	127	2.14	1.7
Zurich .....	Nia.	P.V.	3,690.41	135,272	148	76	2.08	2.7

# "D"—Concluded

in Ontario Municipalities Served by the Commission  
and for Power Service during the year 1942

## VILLAGES AND SUBURBAN AREAS

Commercial Light service						Power service			Total number of consumers
Revenue	Consumption	Number of consumers	Average monthly consumption	Average monthly bill	Net cost per kw-hr.	Revenue	Number of consumers	Average monthly horse-power	
\$ c.	kw-hr.		kw-hr.	\$ c.	cents	\$ c.			
3,553.21	178,852	94	159	3.15	2.0	2,649.37	15	184.0	422
3,314.77	143,940	71	169	3.89	2.3	1,483.42	10	75.7	366
4,341.10	207,092	90	192	4.02	2.1	1,143.31	7	66.3	500
2,008.54	68,060	50	114	3.35	3.0	4,973.24	6	189.2	257
1,455.62	42,687	35	102	3.47	3.4	294.93	2	11.8	173
3,737.79	129,630	78	138	3.99	2.9	1,157.48	3	39.1	538
1,436.59	49,333	34	121	3.52	2.9	1,379.20	5	48.5	196
4,123.66	195,828	96	170	3.58	2.1	9,210.53	9	405.8	403
2,803.23	76,137	55	115	4.25	3.7	1,092.45	3	84.2	289
1,466.11	80,286	41	163	2.98	1.8	1,622.51	6	87.8	188
3,161.23	190,427	80	198	3.29	1.7	1,991.13	6	89.0	323
2,659.52	64,699	46	117	4.82	4.1	1,202.90	2	34.2	214
741.86	21,710	22	82	2.81	3.4	1,169.15	2	40.9	99
441.94	13,945	11	106	3.35	3.2	286.10	2	12.2	80
7,376.00	499,430	125	333	4.92	1.5	28,125.50	14	1,328.0	637
16,389.56	983,250	184	445	7.42	1.7	12,520.95	29	625.5	3,008
1,398.07	29,039	39	62	2.99	4.8	1,658.78	8	56.1	189
469.74	26,550	2	1,106	19.57	1.8	477.55	6	37.3	386
757.36	39,110	17	192	3.71	1.9	211.78	2	5.5	173
4,597.58	144,688	85	142	4.51	3.2	4,068.68	13	155.3	401
4,468.45	142,996	94	127	3.96	3.1	2,617.88	11	118.8	504
922.55	43,475	28	129	2.75	2.1	112.19	1	3.0	289
882.67	27,835	20	116	3.68	3.2	50.11	1	3.0	80
1,342.98	40,363	40	84	3.01	3.6	103.47	1	2.9	177
1,576.08	100,180	31	269	4.24	1.6	1,356.69	7	68.2	306
3,557.96	173,730	71	204	4.18	2.0	6,793.08	15	414.4	479
3,732.08	164,055	72	190	4.32	2.3	4,765.20	7	165.5	388
598.78	31,055	21	123	2.38	1.9	187.33	3	9.3	250
1,663.05	51,073	46	93	3.01	3.3	1,131.94	4	56.8	185
2,826.11	120,642	65	155	3.62	2.3	759.63	5	31.4	415
2,776.53	154,747	52	248	4.45	1.8	4,590.38	8	196.9	282
2,811.07	76,320	47	135	4.97	3.7	.....	.....	.....	185
3,075.29	113,706	71	133	3.61	2.7	3,135.70	6	125.5	313
7,987.66	299,940	100	250	6.66	2.7	4,028.14	15	141.2	525
2,099.98	95,140	38	209	4.61	2.2	138.88	1	10.8	135
4,068.29	198,717	90	184	3.77	2.0	1,862.17	3	85.9	395
1,250.23	26,089	14	155	7.44	4.8	135.85	1	7.5	79
2,308.93	105,130	47	186	4.09	2.2	10,841.22	8	537.1	363
944.36	29,660	25	99	3.15	3.2	571.17	2	37.9	146
1,483.62	42,965	44	81	2.81	3.5	204.42	2	16.0	205
79,066.94	4,571,601	996	382	6.61	1.7	181,969.18	169	7,761.9	22,481
3,028.39	112,671	46	204	5.49	2.7	.....	.....	.....	194



## STATEMENT "E"

### **Cost of Power to Municipalities and Rates to Consumers for Domestic Service—Commercial Light Service—Power Service in Ontario Urban Municipalities Served by The Hydro-Electric Power Commission for the year 1942**

In Statement "E" are presented the rate schedules applicable to consumers for domestic service, for commercial light service and for power service in each of the co-operating municipalities receiving service at cost through The Hydro-Electric Power Commission.\* The cost per horsepower of the power supplied at wholesale by the Commission to the municipality, an important factor in determining rates to consumers, is also stated.

#### **Cost of Power to Municipalities**

The figures in the first column represent the total cost for the year of the power supplied by the Commission to the municipality, divided by the number of horsepower supplied. Details respecting these costs are given in the "Cost of Power" tables relating to the several systems, as presented in Section IX, and an explanation of the items making up the cost of power is given in the introduction to that Section.

#### **Rates to Consumers**

The Power Commission Act stipulates that "The rates chargeable by any municipal corporation generating or receiving and distributing electrical power or energy shall at all times be subject to the approval and control of the Commission,"† in accordance with the Act and in pursuance of its fundamental principle of providing service at cost, the Commission requires that accurate cost records be kept in each municipality, and exercises a continuous supervision over the rates charged to consumers.

At the commencement of its operations, the Commission introduced scientifically-designed rate schedules for each of the three main classes into which the electrical service is usually divided, namely: residential or domestic service, commercial light service, and power service, and the schedules in use during the past year are presented in the tables of this statement.

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\*Except townships served as parts of rural power districts, for which consult latter part of Section IV.

†R.S.O. 1937, Ch. 62, Sec. 89.

*Domestic Service:* Domestic rates apply to electrical service in residences, for all household purposes, including lighting, cooking and the operation of all domestic appliances.

During the past few years most of the urban municipal utilities have further simplified the domestic rate structure by abolishing the service charge, and making a suitable adjustment in the first consumption rate. Where the service charge is retained at 33 and 66 cents gross per month the charge of 33 cents per month per service is made when the permanently installed appliance load is under 2,000 watts, and the charge of 66 cents per month when 2,000 watts or more.

*Commercial Light Service:* Electrical energy used in stores, offices, churches, schools, public halls and institutions, hotels, public boarding-houses, and in all other premises for commercial purposes, including sign and display lighting, is billed at commercial lighting rates.

*Water-Heater Service:* For all consumers using continuous electric water heaters, low flat rates are available consisting of a fixed charge per month dependent on the capacity of the heating element and the cost of power to the municipal utility. Such heaters are so connected that the electrical energy they consume is not metered. For new installations the necessary equipment, including heater, thermostat, efficient insulation for water-storage tank, and wiring, is installed by a large number of municipal Hydro utilities, without capital cost to the consumer.† The installation of new water-heating services is suspended for the duration of the war.

*Power Service:* The rate schedules given for power service in Statement "E" are those governing the supply of power at retail by each of the local municipal utilities. The Commission serves direct, certain large power consumers under special contracts, on behalf of the various systems of municipalities.

The rates for power service, as given in the tables, are the rates for 24-hour unrestricted power at secondary distribution voltage. For service at primary distribution voltage the rates are usually five per cent lower than those stated. In municipalities where load conditions and other circumstances permit, lower rates are available for "restricted power", discounts additional to those listed in the table being applicable.

The service charge relates to the connected load or to the maximum demand, as measured by a 10-minute average peak, where a demand meter is installed. The prompt payment discount of 10 per cent on the total monthly bill is given for settlement within 10 days.

Under the tabulation of rates for power service there is a column headed "Basis of rate 130 hours' monthly use of demand." This column shows approximately the net annual amount payable for a demand of one horsepower, assuming a monthly use of 130 hours, which includes 30 hours' use each month at the third energy rate. Broadly, the figures in this column serve to indicate approximately the relative cost of power service in the different municipalities listed.

†In addition, the municipal Hydro utilities supply booster water-heating equipment to furnish extra requirements beyond the capacity of the continuous heater; current for the booster heater is measured and charged for at the regular rates.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1942, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month*	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Acton.....	26.72	....	60	2.5	1.0	0.83	10
Agincourt.....	26.98	....	60	3.4	1.1	1.11	10
Ailsa Craig.....	34.74	....	60	2.8	0.9	0.83	10
Alexandria.....T	45.97	....	50	4.5	1.2	1.11	10
Alliston.....T	42.64	....	40	5.3	1.3	1.39	10
Alvinston.....	43.26	....	60	4.7	1.2	1.38	10
Amherstburg.....T	29.68	....	60	3.4	0.9	0.83	10
Ancaster Twp.....	25.73	....	60	3.8	1.3	0.83	10
Apple Hill.....	39.00	....	60	5.0	1.3	1.66	10
Arkona.....	49.30	....	60	5.0	1.8	1.78	10
Arnprior.....T	25.35	....	55	3.8	1.0	0.83	10
Arthur.....	60.22	33-66	40	4.8	1.5	1.67	10
Athens.....	42.05	33-66	50	4.5	1.5	1.11	10
Aylmer.....T	28.57	....	60	2.3	0.8	0.83	10
Ayr.....	31.43	....	60	3.4	1.1	1.11	10
Baden.....	26.54	....	60	2.5	1.0	0.83	10
Bala.....T	....	33-66	50	3.7	1.2	1.66	10
Barrie.....T	31.14	....	60	2.7	1.0	0.83	10
Bath.....	45.39	33-66	40	6.0	1.5	2.78	10
Beachville.....	26.67	....	60	3.1	1.1	0.83	10
Beamsville.....	23.65	....	60	3.3	1.0	0.83	10
Beardmore Townsite...	....	....	50	5.5	1.5	1.11	10
Beaverton.....	38.85	....	60	2.8	1.0	1.11	10
Beeton.....	53.69	....	40	5.5	1.8	1.67	10
Belle River.....	30.48	....	60	3.6	1.0	1.11	10
Belleville.....C	24.96	....	55	1.9	0.7	0.83	10
Blenheim.....T	30.02	....	60	2.5	0.9	0.83	10
Bloomfield.....	42.54	....	50	3.4	1.3	1.11	10
Blyth.....	37.97	....	60	3.5	1.1	1.39	10
Bolton.....	30.38	....	55	3.5	1.1	1.11	10
Bothwell.....T	34.04	....	60	2.4	0.8	0.83	10
Bowmanville.....T	29.44	....	60	3.5	1.0	0.83	10
Bradford.....	44.34	....	40	5.2	1.3	1.67	10
Brampton.....T	24.23	....	60	2.3	1.0	0.83	10
Brantford.....C	23.57	....	60	2.3	0.9	0.83	10
Brantford Twp.....	27.37	....	60	2.7	1.0	1.11	10
Brechin.....	44.28	....	45	5.5	1.2	1.67	10
Bridgeport.....	28.79	....	50	4.3	1.2	1.11	10
Brigden.....	41.84	....	60	3.6	0.9	1.39	10
Brighton.....	29.96	....	60	4.2	1.2	1.11	10

\*Where domestic service charge has not been abolished the charge is 33 cents per month per service when the permanently installed appliance load is under 2,000 watts and 66 cents per month when 2,000 watts or more.



"E"

# Domestic Service—Commercial Light Service—Power Service Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	1.8	0.5	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	0.6	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.2	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.5	0.8	1.66	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	4.3	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	4.3	1.0	1.38	10	53.00	1.00	6.2	4.1	0.33	.....	..	10
5.0	2.5	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	5.0	1.0	1.66	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	5.0	1.0	1.78	10	53.00	1.00	6.2	4.1	0.33	.....	..	10
5.0	3.5	1.0	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	4.5	1.0	1.11	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	1.9	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.2	0.7	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.7	0.8	1.66	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.1	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	1.0	2.78	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.6	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	5.5	1.5	2.22	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.8	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	5.5	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.6	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
4.5	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	3.4	1.0	1.39	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	4.4	1.0	1.67	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	1.8	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
*5.0	1.6	0.35	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.2	0.5	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	4.8	0.8	1.67	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	4.0	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	3.6	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10

\*Min. 500 watts.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1942, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Brockville.....T	26.72	....	60	1.8	0.8	0.83	10
Brussels.....	36.91	....	50	3.8	1.1	1.39	10
Burford.....	27.89	....	60	2.9	0.9	0.83	10
Burgessville.....	39.09	....	60	5.0	1.5	1.39	10
Burlington Beach or Hamilton Beach....	.....	....	60	3.5	1.1	0.83	10
Caledonia.....	26.36	....	60	2.5	0.8	0.83	10
Callander.....	.....	33	40	5.0	2.0	1.11	10
Campbellville.....	45.69	....	45	5.0	1.5	1.67	10
Cannington.....	37.96	....	55	3.6	1.5	1.11	10
Capreol.....T	.....	....	50	4.5	1.5	1.39	10
Cardinal.....	27.98	....	55	2.5	1.1	1.11	10
Carleton Place.....T	27.18	....	55	2.8	1.0	0.83	10
Carlsruhe.....	.....	33-66	40	6.0	2.0	1.67	10
Cayuga.....	35.86	....	60	3.8	1.1	1.39	10
Chatham.....C	25.41	....	60	3.0	0.9	0.83	10
Chatsworth.....	39.40	....	45	3.5	1.2	1.39	10
Chesley.....T	35.04	....	55	2.9	1.1	1.11	10
Chesterville.....	33.58	....	55	2.3	1.0	0.83	10
Chippawa.....	20.42	....	60	2.8	0.9	1.11	10
Clifford.....	44.97	....	55	3.5	1.2	1.39	10
Clinton.....T	30.68	....	60	2.8	1.1	1.11	10
Cobden.....	46.21	....	30	3.5	1.0	1.11	10
Cobourg.....T	29.08	....	55	3.4	1.1	0.83	10
Colborne.....	32.44	....	60	4.0	1.1	0.83	10
Coldwater.....	37.90	33-36	55	2.5	1.0	1.11	10
Collingwood.....T	32.16	....	55	2.8	1.0	0.83	10
Comber.....	35.28	....	60	3.6	0.9	1.11	10
Cookstown.....	40.02	....	40	5.2	1.2	1.67	10
Cottage Cove Townsite	.....	....	60	6.0	2.0	3.33	10
Cottam.....	33.87	....	60	3.6	1.0	1.39	10
Courtright.....	46.94	....	55	4.0	1.2	1.39	10
Creemore.....	42.06	....	45	3.8	1.0	1.39	10
Dashwood.....	36.04	....	60	4.2	1.0	1.11	10
Delaware.....	28.28	....	60	3.5	1.2	1.11	10
Delhi.....	29.30	....	60	3.3	1.0	0.83	10
Deseronto.....T	40.26	....	50	4.8	1.2	0.83	10
Dorchester.....	31.39	....	60	3.0	1.1	0.83	10
Drayton.....	47.39	....	55	4.0	1.3	1.11	10
Dresden.....T	33.36	....	60	2.6	0.8	0.83	10
Drumbo.....	31.30	....	60	3.8	1.1	1.11	10

“E”—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
4.5	1.6	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.3	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	4.5	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.2	0.7	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.0	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	5.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.8	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	4.0	0.8	1.39	10	31.00	1.00	2.9	1.9	0.33	.....	..	10
5.0	2.3	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.2	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.5	1.0	1.39	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.3	0.6	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.0	1.0	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.3	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.0	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.5	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.4	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.5	1.0	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.9	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.0	1.0	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.5	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.3	0.8	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.9	0.9	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	4.5	1.0	1.67	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	5.0	2.0	4.44	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.8	0.9	1.39	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.9	0.9	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.6	0.9	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	3.8	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.2	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.4	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.0	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10



## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1942, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to muni- cipality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Dublin.....	43.19	....	60	3.5	1.2	1.11	10
Dundalk.....	35.60	....	55	3.0	1.0	1.11	10
Dundas.....T	22.46	....	60	2.5	0.9	0.83	10
Dunnville.....T	24.23	....	60	2.4	0.8	0.83	10
Durham.....T	36.25	....	55	2.5	1.0	0.83	10
Dutton.....	30.33	....	60	2.1	0.8	0.83	10
East York Twp.....	24.51	....	60	2.5	1.1	0.83	10
Elmira.....T	27.93	....	60	3.4	1.0	0.83	10
Elmvale.....	38.57	....	55	3.4	1.2	0.83	10
Elmwood.....	45.34	....	45	4.0	1.0	1.39	10
Elora.....	28.92	....	60	3.1	1.2	1.11	10
Embro.....	32.64	....	60	3.4	1.2	1.11	10
Erieau.....	40.38	....	60	3.8	1.1	1.39	10
Erie Beach.....	51.98	....	60	5.3	1.5	1.67	10
Essex.....T	28.75	....	60	2.5	0.9	0.83	10
Etobicoke Twp.....	24.33	....	60	2.7	1.1	0.83	10
Exeter.....	30.08	....	60	3.0	0.9	0.83	10
Fergus.....	27.48	....	55	3.3	1.3	1.11	10
Finch.....	40.34	....	45	3.0	1.2	1.39	10
Flesherton.....	42.57	....	55	3.0	1.0	1.11	10
Fonthill.....	26.75	....	60	3.0	1.1	1.11	10
Forest.....T	34.77	....	60	3.5	0.9	1.11	10
Forest Hill.....	22.75	33-66	60	2.0	1.3	0.83	10
Fort William.....C	20.04	....	60	2.1	0.9	0.83	10
Frankford.....	.....	....	60	4.5	1.2	0.83	10
Galt.....C	23.56	....	60	2.8	0.8	0.83	10
Gamebridge.....	.....	....	45	5.5	1.2	1.67	10
Georgetown.....T	28.28	....	60	3.0	0.9	0.83	10
Geraldton Townsite...	.....	....	60	3.7	1.2	1.11	10
Glencoe.....	41.02	....	60	4.0	0.9	1.11	10
Glen Williams.....	.....	33-66	60	2.7	1.1	0.83	10
Goderich.....T	32.94	....	55	3.3	1.0	0.83	10
Grand Valley.....	48.24	....	45	5.0	1.2	1.39	10
Granton.....	36.15	....	60	3.3	1.2	1.11	10
Gravenhurst.....T	26.21	....	55	2.2	0.9	0.83	10
Grimsby.....T	26.23	....	60	3.5	1.1	0.83	10
Guelph.....C	23.79	....	60	2.0	0.8	0.83	10
Hagersville.....	27.70	....	60	2.5	1.0	0.83	10
Hamilton.....C	21.94	....	60	2.4	0.8	0.83	10
Hanover.....T	31.46	....	60	2.8	1.3	0.83	10

“E”—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	3.5	1.0	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	..	10
5.0	2.5	0.8	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.9	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.1	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.8	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.4	1.0	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.2	0.8	1.39	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	2.8	0.7	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.8	0.8	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.6	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	2.22	..	10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.6	0.7	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.8	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	10	10
5.0	2.5	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.6	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	3.0	0.6	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.4	0.83	10	17.00	1.00	1.7	1.1	*0.33	.....	25	10
5.0	3.5	1.0	0.83	10	20.00	1.00	1.6	1.0	0.133	.....	10	10
5.0	2.3	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	4.8	0.8	1.67	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.5	1.0	1.66	10	30.00	1.00	2.8	1.8	0.43	.....	..	10
5.0	3.1	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.8	0.75	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	25	10
5.0	2.7	0.6	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	4.3	1.0	1.39	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	2.6	1.0	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.2	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	1.6	0.3	0.83	10	14.00	1.00	1.1	0.7	0.33	.....	25	10
5.0	2.0	0.75	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
†5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.3	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10

\*0.33 cents per kw-hr. for the next 360 hours use plus 0.133 cents per kw-hr. for all additional.  
†Min. 500 watts.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1942, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Harriston.....T	34.71	....	55	3.0	1.0	1.11	10
Harrow.....T	30.85	....	60	3.3	1.0	0.83	10
Hastings.....	38.83	....	45	4.2	1.2	1.11	10
Havelock.....	44.56	....	50	3.5	1.2	0.83	10
Hensall.....	36.46	....	60	3.5	1.1	1.11	10
Hepworth.....		33-66	40	6.0	2.0	1.67	10
Hespeler.....T	23.53	....	60	3.0	0.9	0.83	10
Highgate.....	34.66	....	60	3.2	0.9	1.11	10
Hislop Townsite.....		33-66	50	6.0	1.5	1.94	10
Holstein.....	78.13	....	40	5.5	1.3	1.67	10
Hudson Townsite.....		....	60	6.0	2.0	2.00	10
Humberstone.....	24.09	....	60	2.6	0.8	0.83	10
Huntsville.....T	30.85	....	60	2.0	0.9	0.83	10
Ingersoll.....T	24.93	....	60	2.4	0.9	0.83	10
Iroquois.....	26.73	33	{60 60}	{3.0 2.0}	1.0	0.83	10
Jarvis.....	33.08	....	60	3.4	1.0	1.11	10
Kearns Townsite.....		33-66	50	6.0	2.0	1.94	10
Kemptonville.....	33.23	....	55	3.5	1.2	0.83	10
Kincardine.....T	39.32	....	40	4.5	1.3	1.11	10
King Kirkland Townsite.....		33-66	50	6.0	1.5	3.06	10
Kingston.....C	25.90	....	50	2.2	0.8	0.83	10
Kingsville.....T	30.40	....	60	2.8	0.9	0.83	10
Kirkfield.....	52.71	33-66	40	5.5	1.5	2.22	10
Kitchener.....C	23.25	....	60	2.3	1.0	0.83	10
Lakefield.....	27.83	....	50	3.6	1.2	0.83	10
Lambeth.....	30.44	....	60	3.0	1.0	1.11	10
Lanark.....	40.12	....	50	4.2	1.3	0.83	10
Lancaster.....	49.21	....	60	4.0	1.2	1.11	10
La Salle.....T	29.91	....	60	3.8	1.2	1.11	10
Leamington.....T	29.94	....	60	2.3	0.8	0.83	10
Leaside.....T		a3	....	b1.8	1.0	0.83	10
Lindsay.....T	30.17	....	60	2.5	0.9	0.83	10
Listowel.....T	29.81	....	55	2.7	1.0	0.83	10
London.....C	23.41	....	60	2.4	0.9	0.83	10
London Twp.....	26.55	....	60	2.9	1.0	1.11	10
Long Branch.....	24.40	....	60	2.5	1.1	0.83	10
Lucan.....	29.49	....	60	3.4	1.1	1.11	10
Lucknow.....	45.20	....	45	4.3	1.3	1.67	10
Lynden.....	28.53	....	60	3.4	1.1	1.39	10
MacTier.....		33-66	40	5.0	2.0	1.66	10

aService charge per 100 sq. ft. floor area.

bFirst 3 kw-hrs. per 100 sq. ft.



“E”—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	2.6	0.7	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.8	1.0	1.11	10	37.00	1.00	3.8	2.5	0.33	.....	10	10
5.0	3.2	1.0	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.9	3.1	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	6.0	1.0	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	25	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.8	0.7	1.11	10	29.00	1.00	2.6	1.7	0.33	.....	..	10
5.0	6.0	1.5	3.06	10	.....	.....	.....	.....	.....	.....	..	.....
5.0	5.0	0.8	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	6.0	2.0	*1.00	10	45.00	1.00	5.1	3.4	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	1.8	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.9	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
†33	‡5.0 } 3.0 }	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.6	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	6.0	2.0	3.06	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.8	1.0	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.5	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	6.0	1.5	3.89	10	.....	.....	.....	.....	.....	.....	..	..
5.0	1.6	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	1.9	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	5.5	1.0	2.22	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.8	1.0	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.6	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.7	1.0	0.83	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.2	1.0	1.11	10	56.00	1.00	6.6	4.4	0.33	.....	..	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	1.8	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
.....	c3.0 } d2/3 }	1/3	0.83	10	.....	e1.10 } 0.90 }	2.0	1.0	f1/3 } 1/6 }	.....	..	10
5.0	2.2	0.7	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.3	0.5	0.83	10	19.00	1.00	2.9	1.4	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.5	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	3.0	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.8	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	5.0	1.0	1.66	10	40.00	1.00	4.3	2.8	0.33	.....	..	10

\*Per 100 watts., Min. \$2.00, Max. \$5.00.

†Per service per month.

‡5c per kw-hr. for 1st 60 kw-hrs. plus 3c per kw-hr. for 2nd 60 kw-hrs.

c1st 80 hrs. use.

eFirst 7.5 kilowatts \$1.10 per kw. All additional 90c per kw.

d2nd 80 hrs. use.

f1/3c. per kw-hr., next 300 hrs. All additional 1/6c. per kw-hr.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1942, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Madoc.....	43.66	....	50	3.2	1.2	0.83	10
Markdale.....	34.97	....	55	3.1	1.1	1.11	10
Markham.....	28.40	....	60	3.0	1.0	0.83	10
Marmora.....	35.72	....	60	4.0	1.0	1.11	10
Martintown.....	35.44	....	50	3.0	1.0	1.11	10
Matachewan Townsite.....	....	....	50	4.5	1.0	1.11	10
Maxville.....	41.71	....	55	4.5	1.2	1.11	10
Meaford.....T	35.36	....	60	3.0	1.1	0.83	10
Merlin.....	33.18	....	60	3.8	1.0	1.11	10
Merriton.....T	20.27	....	60	2.4	0.9	0.83	10
Midland.....T	30.56	....	60	2.5	1.0	0.83	10
Mildmay.....	39.51	....	40	3.6	1.0	1.39	10
Millbrook.....	35.67	33	60	5.5	1.5	0.83	10
Milton.....T	26.66	....	60	3.3	1.1	0.83	10
Milverton.....	30.69	....	60	2.7	1.0	0.90	10
Mimico.....T	23.28	....	60	2.7	1.1	0.83	10
Mitchell.....T	27.76	....	60	2.9	1.1	0.83	10
Moorefield.....	49.67	....	50	4.2	1.2	1.39	10
Mooretown Townsite..	....	33-66	50	6.0	2.0	3.00	10
Morrisburg.....	30.66	....	60	3.0	1.0	0.83	10
Mount Brydges.....	30.62	....	60	2.8	0.9	1.11	10
Mount Forest.....T	40.86	....	60	3.0	1.25	0.83	10
Napanee.....T	28.92	....	50	3.5	1.2	0.83	10
Neustadt.....	40.74	....	60	6.0	1.5	1.67	10
Newburgh.....	....	33	60	5.0	2.0	1.66	10
Newbury.....	38.48	....	55	5.0	1.2	1.38	10
Newcastle.....	32.05	....	60	4.8	1.2	1.11	10
New Hamburg.....	27.11	....	60	3.3	1.1	0.83	10
New Toronto.....T	25.25	....	60	2.4	1.0	0.83	10
Niagara Falls.....C	17.71	....	60	2.2	0.8	0.83	10
Niagara-on-the-Lake..T	21.01	....	60	2.6	1.0	0.83	10
Nipigon Twp.....	23.31	....	60	3.0	1.0	1.11	10
Nipissing.....	....	33	50	6.0	2.0	1.67	10
North Bay.....C	....	....	60	3.3	1.3	0.83	10
North York Twp.....	24.96	....	55	3.8	1.3	1.11	10
Norwich.....	28.26	....	60	2.8	0.9	0.83	10
Norwood.....	33.85	....	50	4.0	1.2	1.11	10
Oil Springs.....	34.99	....	60	2.6	0.9	1.11	10
Omamee.....	32.70	....	60	3.5	1.3	0.83	10
Orangeville.....T	40.85	....	55	3.0	1.0	1.11	10
Orono.....	36.45	....	60	5.5	1.5	1.11	10
Oshawa.....C	29.20	....	50	3.8	1.1	0.83	10
			60	2.0			
Ottawa.....C	15.86	33-66	60	1.0	0.5	0.83	10
Otterville.....	33.90	....	60	2.8	0.9	1.11	10
Owen Sound.....C	31.57	....	60	2.1	0.8	0.83	10

“E”—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	3.0	0.9	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.3	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	3.6	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	1.0	1.66	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.5	1.0	1.66	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	4.5	1.0	1.11	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.4	0.8	0.83	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	3.2	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	2.22	..	10
5.0	1.7	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.0	0.9	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.8	0.8	1.39	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	5.5	1.5	0.83	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.6	0.6	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.5	0.7	0.90	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.8	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	6.0	2.0	5.00	10	.....	.....	.....	.....	.....	.....	..	..
5.0	3.0	1.0	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.2	0.6	1.11	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.4	0.9	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.8	0.75	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	5.0	2.0	1.66	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	4.5	1.0	1.38	10	47.00	1.00	5.2	3.5	0.33	.....	..	10
5.0	4.3	1.2	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.6	0.35	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	2.2	0.5	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.4	0.8	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	6.0	1.0	1.67	10	.....	.....	.....	.....	.....	.....	..	..
5.0	3.1	0.8	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.3	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.6	1.0	1.11	10	38.00	1.00	4.0	2.6	0.33	.....	..	10
5.0	2.4	0.6	1.11	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	3.5	1.0	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.0	0.8	1.11	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	5.5	1.5	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.8	0.8	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.1	0.5	0.83	10	18.00	1.00	1.8	1.2	0.15	.....	15&10	10
5.0	2.5	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	1.8	0.7	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10



## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1942, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to munici- pality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
Paisley.....	45.07	.....	45	5.0	1.0	1.39	10
Palmerston.....T	33.11	.....	60	2.7	1.1	1.11	10
Paris.....T	23.87	.....	60	2.3	0.9	0.83	10
Parkhill.....T	41.40	.....	60	3.8	1.0	1.11	10
Penetanguishene.....T	32.54	.....	55	3.2	1.1	0.83	10
Perth.....T	26.81	.....	55	2.8	1.0	0.83	10
Peterborough.....C	25.58	.....	55	2.7	1.2	0.83	10
Petrolia.....T	31.50	.....	60	2.7	0.8	0.83	10
Pictou.....T	36.33	.....	60	2.8	1.0	0.83	10
Plattsville.....	35.06	.....	60	3.8	1.1	1.11	10
Point Edward.....	30.00	.....	60	3.2	1.0	0.83	10
Port Arthur.....C	19.96	.....	50	2.0	0.8	0.83	10 & 10
Port Carling.....	.....	33-66	45	4.7	1.5	1.66	10
Port Colborne.....T	23.76	.....	60	3.0	1.0	0.83	10
Port Credit.....	25.20	.....	60	2.5	1.0	0.83	10
Port Dalhousie.....	23.66	.....	60	2.6	1.0	0.83	10
Port Dover.....	30.61	.....	60	2.5	0.9	0.83	10
Port Elgin.....	37.76	33-66	40	2.5	1.2	1.11	10
Port Hope.....T	29.94	.....	60	2.4	0.9	0.83	10
Port McNicoll.....	35.74	.....	50	4.0	1.5	0.83	10
Port Perry.....	43.64	.....	50	4.0	1.2	1.11	10
Port Rowan.....	34.46	.....	60	3.2	1.1	1.39	10
Port Stanley.....	30.45	.....	60	3.1	1.0	0.83	10
Powassan.....T	.....	33	40	5.0	2.0	1.11	10
Prescott.....T	27.03	.....	60	2.5	1.1	0.83	10
Preston.....T	23.30	.....	60	2.6	0.8	0.83	10
Priceville.....	43.81	33-66	60	6.0	1.5	1.67	10
Princeton.....	36.42	.....	60	3.3	1.2	1.67	10
Queenston.....	22.64	.....	60	3.0	1.3	1.11	10
Ramore-Matheson.....	.....	.....	50	6.0	1.5	2.22	10
Red Lake Townsite....	.....	.....	55	4.8	1.2	1.00	10
Richmond.....	43.01	.....	35	5.0	1.5	1.67	10
Richmond Hill.....	26.37	33-66	60	2.0	0.8	0.83	10
Ridgetown.....T	29.59	.....	60	2.3	0.8	0.83	10
Ripley.....	54.68	.....	55	6.0	1.5	1.67	10
Riverside.....T	28.69	.....	60	3.7	1.1	0.83	10
Rockwood.....	30.12	.....	60	3.3	1.1	1.11	10
Rodney.....	38.90	.....	60	2.6	0.8	0.83	10
Rosseau.....	90.11	† 33	.....	6.0	2.0	†2.22	10
Russell.....	47.20	.....	55	4.8	1.2	1.39	10

## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
5.0	4.4	1.0	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	2.2	0.9	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.6	0.9	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.8	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.3	0.9	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.1	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.0	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.2	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	2.00	..	10
5.0	2.4	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.8	0.3	0.83	10 & 10	17.00	1.00	1.7	1.1	*0.33 0.133	.....	25	10
5.0	4.5	0.8	1.66	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.5	0.6	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.7	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.0	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	2.1	0.8	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	2.5	0.8	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.2	0.6	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.5	1.0	0.83	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.2	1.0	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.0	0.9	1.39	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	5.0	1.0	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.2	1.0	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.1	0.5	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	6.0	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.0	1.0	1.67	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.8	1.0	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	6.0	1.5	2.78	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	3.8	1.2	1.50	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	5.0	1.0	1.67	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
5.0	1.8	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	5.0	1.0	1.67	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	2.6	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	2.5	0.7	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.3	0.5	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	6.0	2.0	†2.22	10	50.00	1.00	5.7	3.8	0.33	.....	..	10
5.0	4.5	1.0	1.39	10	50.00	1.00	5.7	3.8	0.33	.....	..	10

\*0.33c. per kw-hr. for next 360 hours' use plus 0.133c. per kw-hr. for all additional.

†According to consumers' demand.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1942, in Urban Municipalities**

Municipality  C—City T—Town (pop. 2,000 or more)	Annual cost to the Commission on the works to serve electrical energy to municip- ality on a horse- power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
	\$ c.	cents		cents	cents	\$ c.	%
St. Catharines.....C	20.15	....	45-60	2.3	0.9	0.83	10
St. Clair Beach.....	33.36	....	60	4.2	1.3	1.67	10
St. George.....	32.98	....	60	3.2	1.1	1.11	10
St. Jacobs.....	26.41	....	60	2.8	1.0	0.83	10
St. Marys.....T	29.03	....	60	3.1	1.0	0.83	10
St. Thomas.....C	24.28	....	60	2.4	0.8	0.83	10
Sarnia.....C	27.15	....	60	2.5	0.8	0.83	10
Scarborough Twp.....	25.12	....	60	2.8	1.0	0.83	10
Seaforth.....T	29.15	....	60	2.9	1.1	0.83	10
Shelburne.....	39.95	....	50	3.8	1.0	1.11	10
Simcoe.....T	25.41	....	60	2.2	0.8	0.83	10
Sioux Lookout.....T	....	....	60	6.0	2.0	2.00	10
Smiths Falls.....T	25.03	....	55	3.0	1.0	0.83	10
Smithville.....	29.27	....	60	3.8	1.3	1.11	10
Southampton.....T	36.39	....	40	3.6	1.2	1.11	10
Springfield.....	37.07	....	60	3.6	1.1	1.11	10
Stamford Twp.....	17.76	....	60	3.0	1.0	0.83	10
Stayner.....T	36.65	....	55	3.0	1.1	0.83	10
Stirling.....	26.04	....	60	2.5	1.0	0.83	10
Stoney Creek.....	....	....	60	3.5	1.1	0.83	10
Stouffville.....	30.10	....	60	2.8	1.0	0.83	10
Stratford.....C	25.74	....	60	2.8	0.9	0.83	10
Strathroy.....T	26.26	....	60	2.6	0.8	0.83	10
Streetsville.....	28.19	....	55	3.5	1.0	0.83	10
Sudbury.....C	....	....	55	2.7	1.2	0.83	10
Sunderland.....	47.40	....	45	4.7	1.2	1.39	10
Sutton.....	36.25	....	50	4.0	1.3	1.11	10
Swansea.....	25.84	....	60	2.5	1.2	0.83	10
Tara.....	40.66	....	40	4.5	1.8	1.11	10
Tavistock.....	28.70	....	60	3.0	1.0	0.83	10
Tecumseh.....T	31.33	....	60	4.0	1.1	1.11	10
Teeswater.....	47.43	....	50	5.0	1.3	1.39	10
Thamesford.....	32.23	....	60	2.7	0.9	1.11	10
Thamesville.....	30.41	....	60	2.5	0.8	0.83	10
Thedford.....	44.37	....	55	5.0	1.2	1.11	10
Thorndale.....	39.02	....	60	4.2	1.2	1.11	10
Thornton.....	50.45	....	60	6.0	1.5	1.67	10
Thornold.....T	21.88	....	60	2.2	0.8	0.83	10
Tilbury.....T	28.72	....	60	2.2	0.8	0.83	10
Tillsonburg.....T	26.62	....	60	2.3	0.8	0.83	10



## "E"—Continued

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
†5.0	1.6	1/3	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	4.3	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.7	0.6	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.4	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.5	0.8	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.7	0.3	0.83	10	15.00	1.00	1.3	0.8	0.33	.....	25	10
5.0	1.9	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.2	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.2	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.5	0.9	1.11	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	1.8	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	6.0	2.0	*1.00	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	3.3	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.8	0.8	1.11	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.3	0.9	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	2.0	1.0	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.2	0.7	0.83	10	27.00	1.00	2.3	1.5	0.33	.....	..	10
5.0	2.5	0.7	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	2.0	0.4	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	2.5	0.7	0.83	10	25.00	1.00	2.0	1.3	0.33	.....	..	10
5.0	3.0	1.0	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	3.7	1.0	1.11	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.6	0.8	1.11	10	36.00	1.00	3.7	2.4	0.33	.....	..	10
5.0	2.3	0.7	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.2	0.7	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	4.0	1.0	1.39	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	2.1	0.6	1.11	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	1.9	0.5	0.83	10	23.00	1.00	2.1	1.4	0.33	.....	10	10
5.0	4.6	1.0	1.11	10	48.00	1.00	5.4	3.6	0.33	.....	..	10
5.0	3.2	0.9	1.11	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	5.5	1.0	1.67	10	40.00	1.00	4.3	2.8	0.33	.....	..	10
5.0	1.6	0.35	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	1.7	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10

†Min. 500 watts.

\*\$1.00 per 100 watts. Min. \$2.00. Max. \$5.00.

## STATEMENT

**Cost of Power to Municipalities and Rates to Consumers for  
for the Year 1942, in Urban Municipalities**

Municipality	Annual cost to the Commission on the works to serve electrical energy to municipality on a horse-power basis	Domestic service					
		Service charge per month	First rate		All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount
			Number of kw-hrs. per month	Per kw-hr. per month			
C—City T—Town (pop. 2,000 or more)							
	\$ c.	cents		cents	cents	\$ c.	%
Toronto.....C	22.33	a3	....	b1.8	1.0	0.83	10
Toronto Twp.....	26.52	....	60	2.9	1.0	1.11	10
Tottenham.....	58.42	....	35	5.5	1.5	1.67	10
Trafalgar Twp. Area 1.	26.89	....	60	3.1	1.7	*0.83	10
Trafalgar Twp. Area 2.	31.32	....	60	3.6	1.2	†2.22	10
Trenton.....T	24.29	....	50	3.0	1.0	0.83	10
Tweed.....	44.73	....	50	4.0	1.2	1.11	10
Uxbridge.....T	43.08	....	50	3.6	1.2	1.11	10
Victoria Harbour.....	36.69	....	60	2.8	1.0	1.11	10
Walkerton.....T	32.57	....	50	3.6	1.1	1.11	10
Wallaceburg.....T	27.84	....	60	2.6	0.8	0.83	10
Wardsville.....	40.76	....	60	5.5	1.5	1.39	10
Warkworth.....	38.98	....	50	4.0	1.2	1.11	10
Waterdown.....	25.34	....	60	2.5	1.0	0.83	10
Waterford.....	26.22	....	60	2.4	0.9	0.83	10
Waterloo.....T	23.49	....	60	2.3	0.9	0.83	10
Watford.....	33.73	....	60	3.3	1.0	1.11	10
Waubashene.....	34.80	....	55	3.0	1.0	1.11	10
Welland.....C	19.70	....	60	2.0	0.8	0.83	10
Wellesley.....	32.54	....	50	3.5	1.1	1.11	10
Wellington.....	35.57	....	60	2.8	1.25	0.83	10
West Lorne.....	33.56	....	60	2.8	0.8	0.83	10
Weston.....T	23.10	....	60	2.4	0.9	0.83	10
Westport.....	51.40	....	45	5.0	1.5	1.94	10
Wheatley.....	37.88	....	60	3.4	1.0	0.83	10
Whitby.....T	28.87	....	60	2.8	1.0	0.83	10
Wiarton.....T	46.51	....	50	3.2	1.0	1.39	10
Williamsburg.....	30.18	....	60	2.0	0.8	0.83	10
Winchester.....	30.88	....	60	2.4	1.2	0.83	10
Windermere.....	52.73	†33	....	5.0	1.5	†2.22	10
Windsor.....C	25.42	....	60	3.1	0.8	0.83	10
Wingham.....T	41.39	....	50	3.2	1.1	1.11	10
Woodbridge.....	26.02	....	60	3.0	1.1	0.83	10
Woodstock.....C	23.87	....	60	2.4	0.8	0.83	10
Woodville.....	46.35	....	50	3.8	1.0	1.11	10
Wyoming.....	40.59	....	60	3.3	0.9	1.11	10
York Twp.....	23.93	....	60	2.5	1.3	0.83	10
Zurich.....	39.60	....	60	4.0	1.0	1.11	10

aService Charge per 100 sq. ft. floor area.

bPer kw-hr. for 1st. 3 kw-hrs. per 100 sq. ft.

\*Under 10 kw. \$0.83 minimum bill.

†Over 10 kw. \$2.22 minimum bill.

†According to consumers' demand.

## "E"—Concluded

Domestic Service—Commercial Light Service—Power Service  
Served by The Hydro-Electric Power Commission

Commercial Light service					Power service							
Service charge per 100 watts min. 1,000 watts	First 100 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum gross monthly bill	Prompt payment discount	Basis of rate 130 hours' monthly use of demand	Service charge per h.p. per month	First 50 hrs. per month per kw-hr.	Second 50 hrs. per month per kw-hr.	All additional per kw-hr.	Minimum per h.p. per month	Local discount	Prompt payment discount
cents	cents	cents	\$ c.	%	\$ c.	\$ c.	cents	cents	cents	\$ c.	%	%
c/3 2/3	1/3	0.83	10			d/D.C. A.C.	3.0 2.0	1.2 1.0	0.6 1/3 1/6	.....	..	10
5.0	2.2	0.6	1.11	10	22.00	1.00	1.9	1.3	0.33	.....	10	10
10.0	5.0	1.0	1.67	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.8	0.7	0.83	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.8	0.7	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.6	0.8	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	3.5	1.0	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	3.0	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.2	0.8	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.4	0.9	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	5.0	1.0	1.39	10	42.00	1.00	4.6	3.0	0.33	.....	..	10
5.0	3.0	1.0	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.5	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	1.9	0.6	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	1.9	0.4	0.83	10	18.00	1.00	1.9	1.2	0.33	.....	25	10
5.0	2.9	0.9	1.11	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.2	1.0	1.11	10	33.00	1.00	3.2	2.1	0.33	.....	..	10
5.0	1.6	0.3	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	3.5	1.0	1.11	10	26.00	1.00	2.2	1.4	0.33	.....	..	10
5.0	2.5	1.0	0.83	10	34.00	1.00	3.4	2.2	0.33	.....	..	10
5.0	2.3	0.5	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	1.6	0.4	0.83	10	17.00	1.00	1.7	1.1	0.33	.....	25	10
5.0	5.0	1.0	1.94	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	3.0	0.9	0.83	10	30.00	1.00	2.8	1.8	0.33	.....	..	10
5.0	2.3	0.6	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	3.3	0.8	1.39	10	35.00	1.00	3.5	2.3	0.33	.....	..	10
5.0	2.0	0.8	0.83	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.8	0.83	10	24.00	1.00	2.3	1.5	0.33	.....	10	10
5.0	5.0	1.5	2.22	10	45.00	1.00	4.9	3.3	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	20.00	1.00	1.6	1.0	0.33	.....	10	10
5.0	2.6	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	2.4	0.6	0.83	10	19.00	1.00	2.0	1.4	0.33	.....	25	10
5.0	1.8	0.4	0.83	10	16.00	1.00	1.5	0.9	0.33	.....	25	10
5.0	2.8	0.8	1.11	10	28.00	1.00	2.5	1.6	0.33	.....	..	10
5.0	3.0	0.8	1.11	10	32.00	1.00	3.1	2.0	0.33	.....	..	10
5.0	2.0	0.75	0.83	10	21.00	1.00	1.8	1.1	0.33	.....	10	10
5.0	3.7	0.9	1.11	10	40.00	1.00	4.3	2.8	0.33	.....	..	10

cFirst 80 hours' use—3c. per kw-hr. Next 80 hours' use 2/3c. per kw-hr.

dD.C. service charge \$1.50 per kw. per month for 1st 7½ kw. plus \$1.05 per kw. for all additional demand.

A.C. service charge \$1.10 per kw. per month for 1st 7½ kw. plus \$0.90 per kw. for all additional demand.

e1/3c. per kw-hr. for next 300 hours' use plus 1/6c. per kw-hr. for all additional.



## APPENDIX I

### ACTS

#### CHAPTER 35

An Act respecting The Hydro-Electric Power Commission of Ontario, Steep Rock Iron Mines Limited and The Ontario-Minnesota Pulp and Paper Company Limited.

*Assented to April 15th, 1942.*

*Session Prorogued April 16th, 1942.*

**H**IS MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

Certain  
contracts  
declared legal  
and valid.

1. Notwithstanding anything contained in *The Power Commission Act*, or any other Act of this Legislature,—

- (a) the contract between The Hydro-Electric Power Commission of Ontario and The Ontario-Minnesota Pulp and Paper Company Limited and The Seine River Improvement Company Limited dated the 10th day of April, 1942, set out in Schedule A hereto, relating to the supply of power to The Ontario-Minnesota Pulp and Paper Company Limited and other matters as therein provided;
- (b) the contract between The Hydro-Electric Power Commission of Ontario and Steep Rock Iron Mines Limited dated the 10th day of April, 1942, set out in Schedule B hereto, relating to the supply of power to Steep Rock Iron Mines Limited and other matters as therein provided;
- (c) the contract between The Hydro-Electric Power Commission of Ontario and Steep Rock Iron Mines Limited dated the 10th day of April, 1942, set out in Schedule C hereto, relating to the construction of a power transmission line, the furnishing of security by Steep Rock Iron Mines Limited to The Hydro-Electric Power Commission of Ontario and other matters as therein provided; and

- (d) the contract between The Ontario-Minnesota Pulp and Paper Company Limited, Steep Rock Iron Mines Limited and The Seine River Improvement Company Limited dated the 10th day of April, 1942, set out in Schedule D hereto, relating to certain obligations undertaken by Steep Rock Iron Mines Limited and to certain matters mentioned in the contract referred to in clause c of this section and other matters as therein provided,

when executed by the parties are hereby ratified and confirmed and declared to be legal, valid and binding upon the parties thereto, their successors and assigns.

2.—(1) In the event of default by Steep Rock Iron Mines Limited in respect of its obligations under the agreement set out in Schedule C, The Hydro-Electric Power Commission of Ontario is authorized, empowered and directed to re-open or cause to be re-opened the power plant referred to as the Moose Lake power plant, in the agreements set out in the schedules hereto or otherwise to restore the normal water flow in the Seine River.

Default of  
Steep Rock  
Iron Mines  
Limited.

(2) Any losses or profits arising from the agreements set out in Schedules A, B and C, and losses arising out of indemnities or guarantees given by The Hydro-Electric Power Commission of Ontario under the agreement set out in Schedule A, shall be charged or credited to the account for Northern Ontario Properties of The Hydro-Electric Power Commission of Ontario under the agreement entered into by The Hydro-Electric Power Commission of Ontario with His Majesty the King under section 47 of *The Power Commission Act*, dated June 30th, 1933, or any other agreement made thereunder.

Losses and  
Profits.

3. The Ontario-Minnesota Pulp and Paper Company Limited or any corporation or person succeeding to the ownership of the Seine River properties as defined in the contract referred to in clause a of section 1 either alone or together with The Hydro-Electric Power Commission of Ontario shall be entitled as provided in the said contract to operate and control the gates of the Seine Diversion as defined in the said contract; and no action shall be brought or be maintainable against The Ontario-Minnesota Pulp and Paper Company Limited, its successors or assigns or The Seine River Improvement Company Limited or any corporation or person succeeding to its ownership of the said Seine River properties in respect of any claim arising or growing out of or based upon any escape of water from Moose Lake into any part of the area at the date of the coming into force of this Act covered by Steep Rock Lake during the time in which the operation of the Moose Lake plant as defined in the said contract shall be suspended under the terms of the said contract; it being hereby declared and provided that Steep Rock Iron Mines Limited, its successors and assigns shall be liable and that neither The Ontario-Minnesota Pulp and Paper Company Limited, its successors or assigns, nor The Seine River Improvement Company Limited nor any cor-

Powers;  
rights of  
action.

poration or person succeeding to its ownership shall be liable in respect of any such claims aforesaid and that all actions, if any, upon any such claim shall be maintainable against Steep Rock Iron Mines Limited, its successors and assigns; and such powers of expropriation as were exercisable by The Seine River Improvement Company Limited at the time when this Act comes into force for the purpose of acquiring title to or rights of way or easements over tracts of land crossed by the existing transmission line of The Seine River Improvement Company Limited may be validly exercised by The Ontario-Minnesota Pulp and Paper Company Limited in the same manner and to the same extent as if Part XIII of *The Companies Act* applied to The Ontario-Minnesota Pulp and Paper Company Limited.

Commence-  
ment of  
agreements.

4. Notwithstanding anything contained in the agreements set out in Schedules A, B, C and D, the said agreements shall not become binding upon the parties thereto until the day upon which this Act shall come into force.

Commence-  
ment of Act.

5. This Act shall come into force on a day to be named by the Lieutenant-Governor by his Proclamation, provided that no such Proclamation shall be issued after the 31st day of July, 1942, or shall name a day after the 31st day of July, 1942.

Short title.

6. This Act may be cited as *The Steep Rock Iron Ore Development Act, 1942*.



## SCHEDULE A

to An Act respecting The Hydro-Electric Power Commission of Ontario, Steep Rock Iron Mines Limited and The Ontario-Minnesota Pulp and Paper Company Limited.

THIS AGREEMENT made in triplicate the 10th day of April, A.D. 1942;  
BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,  
hereinafter called the "Commission"

OF THE FIRST PART,

THE ONTARIO-MINNESOTA PULP AND PAPER COMPANY, LIMITED,  
hereinafter called the "Company"

OF THE SECOND PART

--and--

THE SEINE RIVER IMPROVEMENT COMPANY, LIMITED,  
hereinafter called the "Seine River Company"

OF THE THIRD PART.

WHEREAS the Commission acting under *The Power Commission Act*, R.S.O. 1937, Chapter 62, and amendments thereto, is willing to enter into an agreement for the supply of electrical power on the terms and conditions herein contained;

AND WHEREAS the Company is duly incorporated under the laws of the Province of Ontario and is operating a pulp and paper plant at the Town of Fort Frances in the District of Rainy River, in the Province of Ontario, with head office at the Town of Kenora, in the said Province, and whereas the Seine River Company, a wholly owned subsidiary of the Company, is operating a power plant and development at the head of Steep Rock Lake in the said District of Rainy River, hereinafter referred to as the "Moose Lake Plant", for the purposes of the Company, and is also operating power plants and developments at Calm Lake and Sturgeon Falls with terminal facilities at Fort Frances, all in the said District of Rainy River for the purposes of the Company, the said power plants and developments being hereinafter referred to as the "Seine River Properties"; and whereas Steep Rock Iron Mines Limited, a Company incorporated under the laws of the Province of Ontario, proposes to develop and operate mining properties in the vicinity of the said Moose Lake Plant, and for such purpose proposes to de-water Steep Rock Lake and divert and interfere with the natural flow in the Seine River through Steep Rock Lake, the said diversion and interference and the completed works related thereto being hereinafter referred to as the "Seine Diversion";

AND WHEREAS the Company proposes to acquire substantially the whole of the assets of the Seine River Company and following such acquisition to cause the Seine River Company to be dissolved or liquidated;

AND WHEREAS said Seine Diversion will render it impractical for the Seine River Company to operate its said Moose Lake plant, and it is proposed that the Commission should supply the Company with electric power to replace the power which would otherwise be developed by the Seine River Company at the said Moose Lake plant; which said power is hereinafter called "replacement power";

AND WHEREAS the Seine Diversion will require the cessation of the operation of the Moose Lake plant, and thereby cut off the power which otherwise might be developed by the said plant; and whereas the reopening of the said Moose Lake plant will temporarily interfere with the waterflow at the said Calm Lake and Sturgeon Falls plants, and may thereby partially curtail the development of power by those plants;

AND WHEREAS the Seine Diversion and mining operations will not involve the removal of the said Moose Lake plant, but will prevent the discharge of water from the said plant, and render its use impractical for the generating of power, and it is proposed to maintain the said plant in such condition that its operation may be resumed if and when the said water discharge is again available, and to maintain the electrical equipment therein in operating condition so that the generating units may be utilized to perform the duties of synchronous condensers if so desired;

AND WHEREAS the Commission by an agreement of even date has made arrangements with Steep Rock Iron Mines, Limited, for payment and security therefor in respect of the said replacement power;

AND WHEREAS the Company may desire to take and the Commission may desire to supply power additional to the replacement power upon the terms hereinafter set forth, which said additional power is hereinafter referred to as "supplementary power";

AND WHEREAS to supply power hereunder it will be necessary to utilize a transmission line between the Commission's Port Arthur Transformer Station at or near the City of Port Arthur and the said Moose Lake plant, which said transmission line is to be constructed by the Commission for Steep Rock Iron Mines, Limited, and paid for and owned by Steep Rock Iron Mines, Limited; and it may be desired to install and use synchronous condenser equipment at the said Moose Lake plant or to use generating equipment at the said Moose Lake plant as synchronous condensers, and also to use the facilities of the Seine River Company's other generating plants for such purpose;

AND WHEREAS the said Seine River properties generally consist of three Hydro-Electric plants, commonly known as the Moose Lake, Calm Lake and Sturgeon Falls plants, along the course of the Seine River located upon the parcels of land described in that certain lease (hereinafter referred to as water power lease No. 28) granted by His Majesty the King and dated the 29th day of April, 1927, which lease provides rights of renewal for successive terms of twenty-one years each, the last of such terms to expire on the 31st day of March, 1989;

AND WHEREAS the Commission in an agreement of even date herewith between the Commission and Steep Rock Iron Mines, Limited (hereinafter referred to as "the Steep Rock Company") has undertaken to supply electric power (hereinafter sometimes referred to as Steep Rock power) to the Steep Rock Company for the operations of the latter in dewatering Steep Rock Lake and in mining;

AND WHEREAS the parties have agreed that the foregoing recitals shall be conclusively deemed to be correct and shall not be open to question by any of them as evidenced by their execution of this agreement;

NOW THEREFORE THIS INDENTURE WITNESSETH that in consideration of the premises and the mutual and respective covenants and agreements of the parties and other considerations herein contained the parties hereto covenant, promise and agree as follows:—

1. THE COMMISSION AGREES:

To reserve for and deliver to the Company without charge to the Company up to Ten Thousand Five Hundred Horsepower (10,500 H.P.) subject to variation as hereinafter provided in Clauses 3, 4 and 5 hereof of electrical power and energy as replacement power under the conditions and at the point of delivery herein specified, such delivery to commence on a date and hour to be designated in a written notice to be given to the Company by the Commission (which date and hour are hereinafter referred to as "the Commencement Date"); such notice shall be delivered to the Company at least five (5) days in advance of the Commencement Date therein designated, but shall in no event be given before the Commission is fully prepared to deliver the full requirements of replacement power hereunder, or later than the 1st day of July, 1945 (unless a later date be concurred in by the Company), and in default of the giving of such notice within said period of time or such period of time as extended, this entire agreement shall be of no further force or effect:

2. THE COMPANY AGREES:

That upon receipt by it of the notice given under the conditions set out in Clause 1 hereof, it will regulate the output of the said Moose Lake plant according to the Commission's directions, and will at the appropriate time close, and at all times thereafter cause to be kept closed, until March 31, 1989, or until termination of the rights of the lessee under said water power lease No. 28, or until the Moose Lake plant shall be restored to operation pursuant to the provisions of Clause 28 hereof (whichever shall be the earlier date) the gates in the Moose Lake plant, and in the dam maintained in connection therewith, so as to stop the flow of water through the said plant and dam into Steep Rock Lake, provided, however, that the Company shall not be required to take any such action unless contemporaneously therewith the Commission shall commence delivery of said replacement power at the point of delivery and until the control and operation of the gates of the Seine Diversion shall be turned over to the Company:

3. Notwithstanding Clauses 1 and 2, the parties recognize that there will be a short period of transition from the undisturbed basis of operation of the Seine River properties to the basis which will be established after the Seine Diversion is in operation; it is recognized that during such period the output of the Seine River properties may be interfered with; the parties agree that during such period the Company shall be entitled to receive a maximum amount of replacement power which, together with the quantity from time to time available from the Seine River properties, will be equal to the total amount of power which would have been available had undisturbed conditions continued; the parties agree to co-operate in the various operations involved in this transition to give effect to the foregoing; the transition period shall commence as soon as any interference with the output of the Seine River properties occurs and shall terminate on a date to be fixed by the Commission by notice to the Company, which notice shall be given and which date shall be fixed as early as is reasonably practicable:

4. The Commission agrees that if, in accordance with the provisions of paragraph 4 of a certain agreement of even date herewith between the Company and the Steep Rock Company.



and the Seine River Company, it shall be determined as therein provided that the Company is entitled to and the Company shall elect to receive additional replacement power and shall give to the Commission notice of such election, the Commission will furnish such additional replacement power without charge to the Company in such amount as shall be determined in accordance with the provisions of the said agreement, which amount of additional replacement power shall be added to the Ten Thousand Five Hundred Horsepower (10,500 H.P.) agreed to be furnished by the Commission under Clause 1:

5. The Commission agrees that upon the restoration of the Moose Lake plant to operation, pursuant to the notice referred to in Clause 26 hereof or otherwise and until the normal water-flow in the said Seine River through Steep Rock Lake is restored it will continue to furnish replacement power, without charge to the Company, in an amount which shall be equal to the Ten Thousand Five Hundred Horsepower (10,500 H.P.) specified in Clause 1, or Ten Thousand Five Hundred Horsepower (10,500 H.P.) increased in accordance with Clause 4, plus the amount by which the amount of power available from the Calm Lake and Sturgeon Falls plants is reduced on account of said restoration, and minus the amount of power which during the period of restoration shall be available at the Moose Lake plant:

6. In addition to the said replacement power to be supplied pursuant to Clause 1, 3, 4 and 5 inclusive, the Commission also agrees to deliver additional power hereinafter called "supplementary power" to the Company upon the request of the Company from time to time, but only when and in such amounts and for such periods as the Commission is willing to supply and the Company is willing to take it and subject to reduction and/or interruption in whole or in part by the Commission at any and at all times and for such duration of time as the Commission in its sole discretion may from time to time will and direct:

7. The Commission agrees to deliver all power hereunder at the point of delivery herein defined as the 110,000 volt bus in the Company's Moose Lake plant:

8. The Commission agrees to deliver the replacement power as commercially continuous, twenty-four (24) hour power every day in the year except as provided for in this agreement, and to deliver the Supplementary power pursuant to the provisions of clause 6:

9. The Commission agrees that such changes in or additions to the electrical equipment of the Seine River properties as may be required to enable the Company to receive and control power hereunder without interfering with the power operations of the Seine River Company and / or the Company shall be provided and installed by the Commission before the commencement date at the sole expense of the Commission (provided that such equipment shall not thereby become the property of the Seine River Company, its successors or assigns) and to the extent that any such equipment is so provided and installed the same may be removed by the Commission in accordance with the provisions of Clause 20;

The Commission agrees to use at all times first-class, suitable standard commercial apparatus and plant and to exercise all due skill and diligence so that the service rendered to the Company shall be in accordance with appropriate commercial standards:

10. If in any month the Company takes power so that the average or integrated demand for any thirty (30) consecutive minutes is in excess of Ten Thousand Five Hundred Horsepower (10,500 H.P.) or the amount to which the said Ten Thousand Five Hundred Horsepower (10,500 H.P.) has been varied under the provisions of clauses 3, 4 and 5 or any of them such excess shall be deemed to be supplementary power, except to the extent that such taking is due exclusively to inadvertence, accident, exigencies created by operation of systems in parallel, or other cause reasonably beyond the control of the Company. The taking of such excess shall not thereby constitute an obligation on the part of the Commission to reserve and / or deliver power increased to any extent over its obligations under clauses 1, 3, 4 and 5 but for such month the Company shall pay for supplementary power as if such excess had been taken for the whole month, but such payment shall not confer upon the Company any right to take such or any excess power free from the restrictions thereon specified in clause 6:

11. All power delivered under this agreement shall be alternating three-phase having a frequency of approximately Sixty (60) cycles subject to ordinary variations of approximately five per cent (5%) and a nominal voltage of approximately One Hundred and Ten Thousand volts (110 kv.) which nominal voltage it is agreed is in magnitude only commercially suitable for the operation in parallel of the Seine River Company's system with that of the Commission:

Because the Seine River Company's system includes generating plants which will be operated in parallel with the Commission's system supplying power hereunder, the Seine River Company agrees to so operate its own plants to the extent possible with its equipment installed, to assist the Commission to maintain at all times the said voltage specified hereinabove; and such other equipment or facilities necessary to enable the Commission to fulfill its obligations hereunder in respect of voltage shall be supplied by the Commission;

If it should be desired by the Commission the Seine River Company shall during the term of this agreement operate and maintain the electric generating units in its said Moose Lake plant as synchronous condensers, charging the Commission the actual cost of converting the said electric generating units for such purpose;

For the purpose of this agreement the word "power" shall mean electrical power and unless the context requires a different meaning shall also mean and include "energy";



One horsepower shall be equivalent to Seven Hundred and Forty-six Watts (746 W.):

12. THE COMPANY AGREES:

(a) To make all payments to be made to the Commission under this agreement in lawful money of the Dominion of Canada, at Toronto, and to pay in monthly payments to the Commission on the Twentieth (20th) day of each month of the calendar for the accrual of the preceding month of the calendar when the Commission shall have rendered the bill therefor on or before the Tenth (10th) day, or if the bill be rendered after the Tenth (10th) day, then Ten (10) days after the date of rendering; provided that all payments in arrears after the said date for payment shall bear interest at the rate of five per cent (5%) per annum;

12. (b) At all times to take and use or cause to be taken and used the power in such manner that the power factor (that is, the ratio of the kilowatts to the kilovolt amperes, determined simultaneously at the point of measurement) shall be as near as practicable to that necessary to enable the Commission to deliver the power hereunder at the voltage prescribed in clause 11 hereof, within the limits of the installed equipment of the Company and the Seine River Company;

To control and cause the Seine River Company to control power factor in such manner as is necessary to give effect to the foregoing provisions of this clause 12 (b);

13. THE COMPANY AGREES:

To pay to the Commission in monthly payments for all power delivered to or taken by the Company in any month in the following manner, namely:

(a) From the greatest average or integrated amount of power delivered to or taken by the Company for any 30 consecutive minutes in any month as determined from the indications of the Commission's metering equipment hereinafter referred to shall be deducted the ten thousand five hundred (10,500) horsepower of replacement power provided for under clause 1 hereof or the amount of replacement power as varied from time to time in accordance with the provisions of clauses 3, 4 and 5 hereof, and the balance of such power shall be deemed to be supplementary power. All supplementary power so determined shall be paid for by the Company at the rate of nineteen dollars (\$19.00) per horsepower per year for the first one thousand (1,000) horsepower thereof, and the rate of twenty-four dollars and twenty cents (\$24.20) per horsepower per year for all such power in excess of the said first one thousand (1,000) horsepower.

(b) From the total number of kilowatt-hours delivered to or taken by the Company in any month as indicated on the Commission's metering equipment hereinafter referred to shall be deducted an amount of energy which is equivalent to the said greatest average or integrated demand referred to in clause 13 (a) calculated at a monthly load factor of 85%, and the balance shall be deemed to be excess energy hereunder, and shall be paid for by the Company at a rate of three and one-half (3½) mills per kilowatt hour.

(c) Notwithstanding the foregoing provisions of clauses 13 (a) and 13 (b) the Company shall not be obliged in any event to pay to the Commission for replacement power:

14. THE COMPANY AND THE SEINE RIVER COMPANY AGREE:

(a) To take the power covered by this agreement in accordance with the terms hereof and to discontinue or decrease taking supplementary power when required by the Commission to do so, and to prepare for the receipt and use of the said power so as to be able to receive power at the time or times when the Commission is required to deliver the same pursuant to the provisions hereof.

(b) At all times to take and use the electrical power in such manner that the current will be taken from the three phases equally as nearly as practicable, and in any event with the difference between any two phases not greater than five per cent (5%), and if at any time the difference between any two phases be increasing so as likely to exceed, or should exceed the said five per cent (5%), to so adjust their load upon instructions from the Commission as to comply with this requirement.

(c) To continue to provide the existing electrical apparatus, equipment and works from the point of delivery, and to maintain and operate the said electrical apparatus, equipment and works in a manner satisfactory to the Commission; provided that the Company shall not be obligated to obtain or furnish any additional electrical apparatus, equipment or works save replacements.

(d) To use at all times suitable standard commercial machinery, plant and works in addition to the said electrical works and to operate and maintain the said machinery, plant and works so as to cause minimum disturbance to or fluctuation in the Commission's power supply, or facilities used by the Commission to supply power hereunder, and to exercise all due skill and diligence so as to secure the satisfactory operation of the machinery, plant and works of the Company along with the said power supply and facilities.

15. (a) Measurement of all power and energy under this agreement shall be made by means of suitable polyphase recording meters; the measuring equipment, including meters, current and potential transformers and other equipment shall be so arranged as to measure and record the said power and energy with commercial accuracy and shall if necessary be provided, installed and maintained commercially correct by the Commission;

(b) The greatest average or integrated amount of power delivered to or taken by the Company for any thirty (30) consecutive minutes in any month determined from coincident readings of the said meters, shall be the horsepower demand and a basis for determining the quantity of power delivered to or taken by the Company in the said month;

(c) The point of measuring the power covered by this agreement shall be as near as practicable to the point of delivery;

(d) Whenever the said measuring equipment is connected at other than the point of delivery the readings shall be subject to correction and shall be corrected to give results such as would be obtained by instruments connected at the point of delivery. Such corrections shall be based upon tests or calculations by the Commission;

(e) The records from the said meters shall be taken and recorded by the Company on forms supplied or approved by the Commission and when and as directed by the Commission. These records shall be dated and forwarded promptly by the Company to the Commission and such records on file with the Commission shall be available to the Company at all reasonable times for inspection and information;

(f) The Company or the Seine River Company shall provide free of charge a safe and suitable location to be approved by the Commission on the premises of the Company or the Seine River Company for the installation of the Commission's measuring equipment; and protective equipment, switching equipment, relays and other terminal equipment provided by Steep Rock Iron Mines, Limited, for the purpose of enabling it to take power from the Commission and/or for the purpose of enabling the Commission to supply power hereunder;

(g) The Commission may test, calibrate, adjust, remove or change said measuring and other equipment or any part thereof at any reasonable time, but when possible the Company shall be advised at least three (3) days in advance of the Commission's intention so to do;

(h) The Company shall have the right to test any such measuring equipment in the presence of a representative of the Commission by giving to the Commission seven (7) days' previous notice in writing of the Company's desire to test such measuring equipment;

(i) The Commission shall repair or replace and retest defective meters or other measuring equipment within a reasonable time; and if at any time there is no meter in service it shall be assumed that the power consumed is the same as for other days in the same month during which a similar load existed;

(j) Access to any measuring equipment and to any apparatus, equipment and works belonging to the Commission, or Steep Rock Iron Mines, Limited, and on the property of the Company shall be free to the representatives of the Commission at any and all times for the purpose of inspection, operation, test, adjustment, repair, alteration, reconstruction and/or removal, and the said representatives may do any of these things;

(k) The kilowatts, kilovolt amperes, kilowatt-hours and all other factors and quantities shall be determined directly or indirectly from measuring equipment provided for in this clause 15, and electrical standards as determined by The National Research Council shall be used as final reference in determining the accuracy of measuring equipment, except that in the event of The National Research Council having no facilities available for calibration of any part or parts thereof, then the Commission's standards shall be used as final reference in determining the accuracy of all such part or parts.

16. (a) The maintenance by the Commission of approximately the agreed voltage at approximately the agreed frequency, at the point of delivery shall constitute the supply of power involved herein, and a fulfilment of all the operating obligations of the Commission under this agreement. It is understood and agreed that in operation of plants in parallel the control of power factor, voltage and delivery of power is to a large extent within the control of the operators in those plants, and the Company and the Seine River Company agree that to the extent that they are able with their equipment installed, and their load, they will so operate their plants and their load as to assist the Commission in fulfilling its obligations hereunder;

(b) In case the Commission shall, at any time or times, be prevented from delivering said replacement power, or any part thereof, by strikes, lockouts, riots, fire, insurrection, hurricane, civil commotion, flood, invasion, explosion, act of God, the King's enemies, order or regulation of the Dominion of Canada, or any other similar cause or causes reasonably beyond its control, then to the extent of such prevention, the Commission shall not be bound to deliver power during such time. The Commission shall be prompt and diligent in removing the cause of such interruption, and as soon as the cause of such interruption is removed, the Commission shall, without any delay, deliver said replacement power as aforesaid;

(c) The Commission shall have the right at all reasonable times and when possible after reasonable notice has been given to the Company to discontinue, to the extent deemed necessary by the Commission, the supply of replacement power hereunder for the purpose of safeguarding life or property or for the purpose of operation, maintenance, replacement or extension of the apparatus, equipment or works used for the delivery of power hereunder, but all such interruptions shall be of a minimum duration and when possible arranged for at a time least objectionable to the Company; and the Company shall not thereby be released from any obligation under this agreement;

(d) If the Company or the Seine River Company at any time fail in the performance of any of their obligations affecting electrical operation under this agreement, including without



limiting the generality of the foregoing, taking power in excess of the maximum hereunder or taking supplementary power when requested by the Commission not to take such power, the Commission may give notice thereof to the Company or to the Seine River Company, which notice may be given by telephone to an employee of the Company or the Seine River Company by a representative of the Commission and the Company or the Seine River Company shall immediately remedy the said failure; in case of continued failure, then the Commission may discontinue delivery to the Company of all power or of any part thereof, and shall not be obliged to resume delivery to the Company until the Company shall have given to the Commission sufficient assurance that such failure will not recur; in such case the Company shall not be entitled to any allowance for power not delivered nor be relieved of any obligation under this agreement;

17. The Company and the Seine River Company hereby grant to the Commission the right and wayleave or easement to use at all times free of cost or rent so much of their respective lands as may be necessary or expedient to the Commission for the supply of power to the Company, the location thereof to be satisfactory to the Company; the said rights, wayleaves and easements to be for the term of this agreement and thereafter until ninety (90) days' written notice from the Company to remove the Commission's works shall have been given and shall have expired; if the Company requires relocation of the Commission's works, the Company shall furnish on its lands an equivalent location; The Commission shall do the work of relocation and the Company shall pay the cost up to the extent such works supply power to the Company:

18. One or more representatives or engineers of the Commission appointed for this purpose, may at any reasonable time during the continuance of this agreement, have access to the Seine River Company's premises to inspect the works therein for the purposes hereof and to take records therefrom as required hereunder, and may do any of these things.

19. The Company and the Seine River Company shall assume all risk of and liability for and be responsible for any and all injury, damage and loss to property of the Commission on the premises of the Company or the Seine River Company respectively, or to any other property on the said premises or to any person or persons (including loss of life) on the said premises, other than employees of the Commission, which shall have been due to power under this agreement, or due to the said Commission property, save to the extent that same shall have been due to the negligence or default of the Commission; The Company and the Seine River Company shall indemnify the Commission and save it harmless from all such injury, damage or loss and all actions, suits, claims, costs, charges and expenses in connection therewith:

20. The Commission shall be entitled at any time prior to the expiration of ninety (90) days' notice in writing from the Company delivered after the termination of this agreement and the last extension thereof to remove from the premises of the Company and the Seine River Company, any and all apparatus, equipment and works which may have been installed by the Commission under or in connection with this agreement:

21. If after termination of this agreement power be taken by the Company from the Commission without a new agreement, such power shall be delivered, taken and paid for in accordance with the provisions set out in this agreement, provided that replacement power should be paid for at a rate to be agreed upon on the following conditions; such delivery shall not be deemed to renew or extend this agreement or to give the Company any claim or right to power or to place any obligation or liability on the Commission and the Commission may discontinue delivery of such power at any time without notice, and the Commission shall be under no obligation or liability to the Company and the Company shall not be obliged to take power after the termination of this agreement:

22. Any waiver by any party or failure by it to exercise its rights or enforce any of its remedies hereunder shall be limited to the particular instance and shall not operate or be deemed to waive any other right or remedy or extend to any other matter under this agreement, or in any other way affect the validity of this agreement or estop such party from pursuing any other remedy it may have and all rights and remedies of either party may be exercised and continued concurrently or separately:

23. In case any disagreement, dispute, difference or question shall at any time hereafter arise between the Commission and the Company in respect to the construction of this agreement or concerning anything herein contained or hereby provided for or arising herefrom or as to the rights, liabilities or duties of the Commission and the Company and the Seine River Company or any of them, the same shall forthwith be referred to arbitration under *The Arbitration Act* of the Province of Ontario and shall be determined in accordance with and subject to the provisions of *The Arbitration Act* of the Province of Ontario, or any statutory modification or re-enactment thereof for the time being in force, and shall be determined in accordance with the laws of the Province of Ontario and when possible in a summary manner. The findings of the arbitrator or arbitrators shall be final and binding upon the Commission and the Company and the Seine River Company respectively, except that any of them may appeal from, move to set aside, vary or refer back any award as provided in the said Arbitration Act, and that the right of appeal to the Supreme Court of Canada and to the Privy Council shall not be limited; No such disagreement, dispute, difference or question shall entitle the Commission (pending the determination of the dispute by arbitration as aforesaid) to withhold delivery of replacement power:

24. The Commission hereby consents to the conveyance and transfer of the assets of the Seine River Company to the Company subject to the assumption by the Company of the obliga-



tions of the Seine River Company to the Commission under the provisions of this agreement; and upon the Company furnishing the Commission with evidence that the Company has acquired the assets of the Seine River Company on the terms aforesaid the direct obligation of the Company shall thereupon be substituted for the obligations of the Seine River Company hereunder without further formality; and the Seine River Company shall upon the furnishing of such evidence be and be deemed to have been released from all further obligations or liability under this agreement, and the Company shall thereupon succeed to all the rights and obligations of the Seine River Company under this agreement and where the context permits reference to the Seine River Company herein shall be construed as if the Company alone were named, and the provisions of this agreement shall be deemed to have been amended accordingly; The Commission hereby consents, upon such conveyance and transfer being made, to the surrender of the charter or other dissolution of the Seine River Company, and further agrees with the Company to furnish such additional consent or release of the Seine River Company as the Company may require for the purposes aforesaid.

25. As further consideration for the entering into of this agreement by the Company and in order to assure to the Company full reimbursement of all loss, costs, damages and expenses which the Company may incur or suffer by reason of the Seine diversion arising out of taxes, assessments, levies or charges as hereinafter referred to, the Commission agrees from time to time to pay to the Company on demand without right of reimbursement such sum or sums as may be equal to any and all present or future taxes (including sales taxes), assessments, levies or charges, governmental, municipal or otherwise, which may be imposed on or become payable by the Company, or which may be imposed on or become payable by the Commission and / or others, and become payable by the Company or which would otherwise increase the burden of the Company in respect of its requirements for replacement power hereunder; and which would not have been imposed on or become payable by the Company or otherwise have increased the burden of the Company in respect of the receipt by it of replacement power, if it had been generating such power for its own use by means of a plant wholly owned and operated by it;

The foregoing shall not apply or relate to the supply of supplementary power and / or excess energy;

26. The delivery of replacement power hereunder when commenced shall be continuous until March 31, 1989, or until the rights of the Lessee as from time to time renewed under said water power lease No. 28 shall have expired or until the Moose Lake plant shall be restored to operation pursuant to the provisions of clause 28 hereof or so long as the Company or any successor or transferee thereof shall require such power for its use or that of others, whichever shall be the earliest date; provided that the Commission shall be relieved of its obligation to furnish power hereunder if and when the Commission shall give notice to the Company, or to any successor or transferee thereof who may at the time be the owner of the said Seine River properties directing and requesting that the Moose Lake plant be restored to operation and the Commission shall have fully complied with its obligations under the provisions of clause 5.

27. In the event that the Commission shall give the notice referred to in clause 26 hereof, it shall be obligated, at its own cost and expense, to hold harmless, defend and protect the corporation or person to whom such notice is given against any and all claims and / or suits of every character by whomsoever asserted on account of the flowing of water pursuant to said notice through the Moose Lake plant into Steep Rock Lake and upon properties affected thereby, or on account of the reduction in or discontinuance of the flow of water through the Seine diversion, occasioned thereby, and against all loss, costs, damages and expenses arising from such claims and suits; and shall forthwith remove or cause to be removed, without cost or expense to the Company or to its successors or assigns, any obstruction or works which may have been placed in Steep Rock Lake or at its outlet in connection with the dewatering of said lake or with mining operations therein which affect the restoration of the normal flow of Seine River waters through said lake.

28. The Company agrees that upon receipt of the notice referred to in clause 26 hereof it will forthwith cause the Moose Lake plant to be restored to operation, or in the event it shall be restrained from so doing by Court or Governmental order it will, upon such restriction being removed, forthwith cause the Moose Lake plant to be restored to operation.

29. Wherever in this agreement it is provided that notice may be given by either party to the other, such notice shall be in writing, shall be signed by the party giving such notice, and if such party is a corporation, by an officer thereof, and shall be deemed given to the party to whom such notice is directed when delivered at the address of such party given below, and a copy thereof shall have been forwarded by registered mail addressed to the party to whom such notice is directed; Until otherwise directed by the respective parties, notices to the Company or to the Seine River Company shall be addressed as follows:

The Ontario-Minnesota Pulp and Paper Company, Limited,  
1100 Builders Exchange Building,  
Minneapolis, Minnesota.

and notices to the Commission shall be addressed as follows:

The Hydro-Electric Power Commission of Ontario,  
620 University Avenue,  
Toronto, Ontario.

provided that the provisions of the within clause shall not apply to the notice referred to in clauses 15 (h) and 16 (d) hereof.

30. The Commission agrees that, so long as the operation of the Moose Lake plant shall be suspended under the terms of the within agreement, the Company, or any corporation or person succeeding to its ownership of the Seine River properties, shall have the continued right to operate and control the gates of the Seine Diversion, and thereafter until the normal balanced flow of the Seine River through Steep Rock Lake is restored shall together with the Commission have joint control of such gates; such operation and control to be at the sole expense of the Company, or of its successor or transferee, but with the obligation on the Commission to maintain or cause to be maintained the said gates and the control works and water passages of the Seine Diversion during the period within which the operation of the Moose Lake plant shall be suspended hereunder. At the expiration of the aforesaid period of joint control the Commission shall cause the Seine Diversion to be permanently closed against the discharge through said Seine Diversion of the waters of Moose Lake;

The Commission agrees that at all times during the period when the normal waterflow in the Seine River is being restored it will co-operate with the Company and the Seine River Company to prevent to the greatest extent possible interference with the output of the said Seine River properties:

31. This agreement shall not become binding upon the parties unless and until an Act of the Legislature of the Province of Ontario shall be passed at the present session of the Legislature confirming and validating this agreement and certain other agreements of even date, short particulars of which are as follows:

- (a) Contract between The Hydro-Electric Power Commission of Ontario and Steep Rock Iron Mines, Limited, dated the 10th day of April, 1942, relating to the supply of power to Steep Rock Iron Mines, Limited, and other matters as therein provided;
- (b) Contract between The Hydro-Electric Power Commission of Ontario and Steep Rock Iron Mines, Limited, dated the 10th day of April, 1942, relating to the construction of a power transmission line, the furnishing of security by Steep Rock Iron Mines, Limited, to The Hydro-Electric Power Commission of Ontario, and other matters as therein provided;
- (c) Contract between Steep Rock Iron Mines, Limited, and Ontario-Minnesota Pulp and Paper Company, Limited, and The Seine River Improvement Company, Limited, dated the 10th day of April, 1942, relating to certain obligations undertaken by Steep Rock Iron Mines, Limited, and other matters as therein provided;

—and given Royal Assent, whereupon this agreement shall be binding and shall have effect in accordance with its terms.

Provided that when this agreement shall have become binding in accordance with the foregoing provision it shall remain in force for the period during which the Commission is required to deliver power under the provisions hereof:

32. This agreement shall extend to, be binding upon and enure to the benefit of the parties hereto and their successors and assigns respectively:

IN WITNESS WHEREOF the parties hereto have caused this agreement to be executed, attested by the affixing of their corporate seals and by the signatures of their proper officers.

THE HYDRO-ELECTRIC POWER COMMISSION  
OF ONTARIO

T. H. HOGG,

*Chairman.*

(Seal)

OSBORNE MITCHELL,

*Secretary.*

THE ONTARIO-MINNESOTA PULP AND PAPER  
COMPANY, LIMITED

R. H. M. ROBINSON,

*President.*

(Seal)

R. D. MAIN,

*Secretary.*

THE SEINE RIVER IMPROVEMENT COMPANY,  
LIMITED

R. H. M. ROBINSON,

*President.*

(Seal)

R. D. MAIN,

*Secretary.*



## SCHEDULE B

to An Act respecting The Hydro-Electric Power Commission of Ontario, Steep Rock Iron Mines Limited and The Ontario-Minnesota Pulp and Paper Company Limited.

THIS AGREEMENT made in duplicate this 10th day of April, A.D. 1942;

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,  
hereinafter called the "Commission"

OF THE FIRST PART.

—and—

STEEP ROCK IRON MINES LIMITED, hereinafter called the "Customer"

OF THE SECOND PART.

WHEREAS the Commission acting under *The Power Commission Act*, R.S.O. 1937, Chapter 62, and amendments thereto, is willing to enter into an agreement for the supply of electrical power on the terms and conditions herein contained, the said agreement to be known as the Steep Rock Power Agreement;

AND WHEREAS the Customer has applied to the Commission for a supply of electrical power under the said Act and amendments thereto;

AND WHEREAS the Customer is duly incorporated under the laws of the Province of Ontario and proposes to carry on the business of mining and metallurgy with mining properties in the vicinity of Steep Rock Lake, in the District of Rainy River, with head office at Toronto;

AND WHEREAS for the purpose of enabling its said mining operations to be conducted the Customer proposes to dewater Steep Rock Lake and for that purpose will require power which is hereinafter referred to as "Development Power", in addition to power required for mining operations which is hereinafter referred to as "Operation Power";

NOW THEREFORE THIS AGREEMENT WITNESSETH that for the considerations herein contained the parties hereto covenant, promise and agree as follows:—

1. THE COMMISSION AGREES:

(a) To reserve for and deliver to the Customer six thousand horsepower (6,000 h.p.) of Development Power under the conditions and at the point of delivery herein specified when the Customer's preliminary development operations have progressed to such extent that the normal waterflow in the Seine River Watershed has been interfered with thereby, which said date is called the "Commencement Date" and is tentatively fixed as July 1st, 1943, and continuing until entirely eliminated under the provisions of clause 3;

1. (b) To reserve for and deliver to the Customer under the same conditions and at the same point of delivery three thousand horsepower (3,000 h.p.) of Operation Power commencing when the Customer begins its mining operations at the said mining properties, which date is tentatively fixed as July 1st, 1944, and continuing while this agreement remains in force, which shall be the limit of amount until increased as hereinafter provided;

1. (c) To reserve for and deliver to the Customer under the same conditions and at the same point of delivery additional Operation Power up to two thousand horsepower (2,000 h.p.) more in blocks of fifty horsepower (50 h.p.) each, or multiples thereof, on the expiration of thirty (30) days after request in writing therefor, until a total amount of five thousand horsepower (5,000 h.p.) of Operation Power shall have been reached which shall be the maximum of Operation Power under this agreement;

1. (d) Notwithstanding the foregoing the Commission shall not be obliged to reserve for the Customer at any time a total of Development Power and Operation Power exceeding nine thousand horsepower (9,000 h.p.), it being the understanding between the parties that as the completion of the Customer's development work progresses it will reduce its requirements of Development Power under the provisions of clause 3, and that at some stage of the development work it will have commenced its mining operations, thereby making its requirements of Development Power and Operation Power concurrent, for a time, but the Development Power subsequently decreasing and Operation Power increasing;

2. THE COMMISSION AGREES:

(a) To deliver power at the point of delivery herein defined as the one hundred and ten thousand volt (110,000 V) bus in the Commission's Port Arthur Transformer Station at or near the City of Port Arthur in the Province of Ontario;

2. (b) To deliver commercially continuous twenty-four (24) hour power every day in the year except as provided for in this agreement;



2. (c) To use at all times first-class, suitable standard commercial apparatus and plant, and to exercise all due skill and diligence so that the service rendered to the Customer shall be in accordance with appropriate commercial standards;

3. If in any month after the Customer shall have ceased to take Development Power by reducing such Development Power in accordance with the provisions hereinafter written the Customer takes power so that the average or integrated demand for any ten consecutive minutes is in excess of the limit of Operation Power then in force, the taking of such excess, except to the extent that such taking is due exclusively to inadvertence, accident or any other cause beyond the control of the Customer, shall thereafter constitute an obligation on the part of the Customer to pay for and on the part of the Commission to hold in reserve and deliver Operation Power increased by such excess to the extent if any allowed by the Commission, all in accordance with the terms and conditions of this agreement thereby establishing a new limit of Operation Power, but in no case shall the whole amount of such Operation Power including the said increase, exceed the maximum of Operation Power under this agreement; in any event the Customer shall pay for power during the said month as if such excess, whether or not beyond the said maximum of Operation Power had been taken for the whole month;

The Customer shall reduce the amount of Development Power which the Commission is obliged to hold in reserve and deliver to it according as its necessary requirements of Development Power are decreased as the work progresses, by delivering to the Commission notice in writing one month or more prior to the date that such reduction is to come into effect, and in any event shall be deemed to have reduced its taking of Development Power to zero not later than two (2) years from the Commencement Date. All power taken by the Customer thereafter shall be deemed to be Operation Power, provided however that the Commission shall not be obliged to reserve for and / or deliver to the Customer at any time more than the said maximum amount of Operation Power specified in clause 1 (c).

4. All power delivered under this agreement shall be alternating, three-phase, having a frequency of approximately sixty (60) cycles per second and a nominal voltage of approximately one hundred and ten thousand (110,000) volts subject to ordinary variations from the said voltage of approximately ten per cent (10%) and from the said frequency of approximately five per cent (5%);

For the purpose of this agreement the word "power" shall mean electrical power and unless the context requires a different meaning shall also mean and include "energy";

One horsepower shall be equivalent to seven hundred and forty-six watts (746 w.).

#### 5. THE CUSTOMER AGREES:

(a) To make all payments to be made to the Commission under this agreement in lawful money of Canada, at Toronto, and to pay in monthly payments to the Commission on the twentieth day of each month of the calendar for the accrual of the preceding month of the calendar when the Commission shall have rendered the bill therefor on or before the tenth day, or if the bill be rendered after the tenth day, then ten (10) days after the date of rendering; provided that all payments in arrears after the said dates for payment shall bear interest at the rate of five per cent (5%) per annum; provided, further, that if any bill remains unpaid for thirty (30) days after the date of receipt thereof the Commission may, in addition to all other remedies and without notice, discontinue the supply of power to the Customer until the said bill is paid and no such discontinuance by the Commission shall relieve the Customer from the performance of the covenants, provisions and conditions herein contained;

5. (b) If in any month power is taken in such manner that eighty-five per cent (85%) of the maximum kilovolt amperes as determined at the point of measurement is greater than the maximum kilowatts as determined at the same point, then for that month eighty-five per cent (85%) of the said maximum kilovolt amperes shall for the purposes of billing be considered to be the true kilowatts. For the purpose of this clause the maximum in kilovolt amperes and in kilowatts shall each be the maximum average or integrated demand in any ten (10) consecutive minutes in the month."

5. (c) To pay to the Commission in monthly payments according to the following schedule of horsepower rates, namely,—

Nineteen Dollars (\$19.00) per horsepower per annum;

all based on the maximum ten (10) minute integrated demand and eighty-five per cent (85%) minimum power factor as provided in this agreement, which shall be applied as if the maximum ten (10) minute integrated demand corrected for eighty-five per cent (85%) minimum power factor had been taken for the whole month, subject always to the minimum in this agreement provided; provided that the amount in horsepower each month determined from the said maximum ten (10) minute integrated demand corrected for the said minimum power factor shall be the horsepower demand for the month;

In addition to payment at the said horsepower rate to pay to the Commission in monthly payments at the rate of three decimal five (3.5) mills which is seven-twentieths ( $\frac{7}{20}$ ths) of a cent per kilowatt-hour for all energy taken in excess of the energy equivalent to the amount of power for which the Customer is paying at a monthly load factor of eighty-five per cent (85%):

5. (d) After the Customer has ceased to take Development Power hereunder, and is taking, or is deemed to be taking Operation Power only to pay to the Commission for each month as a minimum for seventy-five per cent (75%) of the greatest amount of power held in reserve for the Customer during any previous month after the Customer shall have ceased to take Development Power, except during the first month after such cessation during which said month the minimum shall be seventy-five per cent (75%) of the amount of power reserved for the Customer during such month, provided however that in any event the Customer shall pay to the Commission for each month as a minimum for two thousand, two hundred and fifty horsepower (2,250 h.p.) all subject to clause 8.

6. THE CUSTOMER AGREES:

(a) To take the power covered by this agreement in accordance with the terms hereof and to prepare for the receipt and use of the said power so as to be able to receive power on the Commencement Date.

6. (b) To take power exclusively from the Commission during the continuance of this agreement and not to sell or dispose of the said power or any part thereof directly or indirectly, without the written consent of the Commission; and not to use the said power hereunder for electric steam boiler operation or for the heating of buildings;

6. (c) At all times to take and use the power in such manner that the ratio of the kilowatts to the kilovolt amperes (read simultaneously) is as near unity as practicable;

6. (d) At all times to take and use the electrical power in such manner that the current will be taken from the three phases equally as nearly as practicable and in any event with the difference between any two phases not greater than five per cent (5%); Provided that if at any time the difference between any two phases should exceed the said five per cent (5%) or if the said difference be increasing so that it is likely to do so the Customer upon instructions from the Commission shall so adjust the Customer's load as to comply with this requirement;

6. (e) To provide a suitable transformer station; before starting construction to obtain Commission approval of such plans, drawings and specifications thereof as the Commission may require, and to supply all other electrical apparatus, equipment and works from the point of delivery, all subject to the approval of the Commission, and to construct, install, maintain and operate the said station and all other electrical apparatus, equipment and works in a manner satisfactory to the Commission;

PROVIDED that the Commission shall not be obliged to deliver power under this agreement until its approval has been obtained under the requirements of this clause but such approval shall not be unreasonably withheld or delayed;

6. (f) To use at all times suitable standard commercial machinery, plant and works in addition to the said electrical works and to operate and maintain the said machinery, plant and works so as to cause minimum disturbance to or fluctuation in the Commission's power supply or system and to exercise all due skill and diligence so as to secure the satisfactory operation of the machinery, plant and works of the Customer along with the power supply and system of the Commission;

7. (a) Measurement of all power and energy under this agreement shall be made by means of suitable polyphase recording meters; the measuring equipment including meters, current and potential transformers and other equipment shall be so arranged as to measure and record the said power and energy with commercial accuracy and shall be provided, installed and maintained commercially correct by the Commission;

7. (b) The greatest average or integrated amount of power delivered to or taken by the Customer for any ten (10) consecutive minutes in any month determined from coincident readings of the said meters, subject to power factor correction, shall be the horsepower demand and a basis for determining the quantity of power delivered to or taken by the Customer in the said month;

7. (c) The point of measurement of the power covered by this agreement shall be at the terminus of the Customer's one hundred and ten thousand volt (110,000 V) transmission line in or immediately adjacent to the existing Moose Lake Plant of The Seine River Improvement Company Limited;

7. (d) Should such measuring equipment be connected at other than the point of measurement then the readings of such measuring equipment shall be subject to a correction or adjustment to give readings such as would have been obtained if said measuring equipment had been connected at the said point of measurement; but when connected at the point of measurement shall not be subject to correction because of being connected at other than the point of delivery, it being understood that this correction has been provided for in establishing the rate specified in clause 5 (c);

7. (e) The records from the said meters shall be taken and recorded by the Customer on forms supplied or approved by the Commission and when and as directed by the Commission; these records shall be dated and forwarded promptly by the Customer to the Commission and such records on file with the Commission shall be available to the Customer at all reasonable times for inspection and information;

7. (f) The Customer shall if necessary provide free of charge a safe and suitable location, to be approved by the Commission on the premises of the Customer, for the installation of the Commission's measuring equipment and no rental or other charge or claim shall be made to the



Commission for the location of the said measuring equipment on the Customer's premises. If relocation of the said measuring equipment shall at any time or times during the term of this agreement become necessary the Customer shall bear the cost and expense thereof;

7. (g) The Commission may test, calibrate, adjust, remove or change said measuring equipment or any part thereof at any reasonable time, but when possible the Customer shall be advised at least three (3) days in advance of the Commission's intention so to do;

7. (h) The Customer shall have the right to test any such measuring equipment in the presence of a representative of the Commission by giving to the Commission seven (7) days' previous notice in writing of the Customer's desire to test such measuring equipment;

7. (i) The Commission shall repair or replace and retest defective meters or other measuring equipment within a reasonable time; and if at any time there is no meter in service it shall be assumed that the power consumed is the same as for other days in the same month during which a similar load existed;

7. (j) Access to any measuring equipment and to any apparatus, equipment and works belonging to the Commission and on the property of the Customer shall be free to the representatives of the Commission at any and all times for the purpose of inspection, operation, test, adjustment, repair, alteration, reconstruction and / or removal, and the said representatives may do any of these things;

7. (k) The kilowatts, kilowatt-hours, kilovolt amperes and all other factors and quantities shall be determined directly or indirectly from measuring equipment provided for in this clause 7, and electrical standards as determined by The National Research Council shall be used as final reference in determining the accuracy of measuring equipment: except that in the event of The National Research Council having no facilities available for calibration of any part or parts thereof, then the Commission's standards shall be used as final reference in determining the accuracy of all such part or parts:

8. (a) The maintenance by the Commission of approximately the agreed voltage at approximately the agreed frequency, at the point of delivery shall constitute the supply of power involved herein and a fulfilment of all the operating obligations of the Commission under this agreement, and when the voltage and the frequency are maintained within the limits provided in clause 4, the amount of power, its fluctuations, load factor, power factor, distribution as to phases and all other characteristics and qualities at the point of measurement are under the sole control of the Customer and the Customer's agents, apparatus, equipment and works;

8. (b) In case the Commission shall at any time or times be prevented from delivering said power or any part thereof by any cause reasonably beyond the Commission's control including without limiting the generality thereof, strike, lockout, riot, fire, insurrection, hurricane, civil commotion, flood, invasion, explosion, the King's enemies and act of God, then the Commission shall not be bound to deliver power during such time and the Customer shall be allowed an adjustment in payment for power as hereinafter provided, but the Customer shall not otherwise be released from any obligation under this agreement; the Commission shall be prompt and diligent in removing the cause of such interruption and as soon as the cause of such interruption is removed the Commission shall without delay deliver power and the Customer shall take and pay for the same all in accordance with this agreement;

8. (c) The Commission shall have the right at all reasonable times, and when possible, after reasonable notice has been given to the Customer, to discontinue to the extent deemed necessary by the Commission, the supply of power to the Customer for the purpose of safeguarding life or property or for the purpose of operation, maintenance, replacement or extension of the apparatus, equipment or works necessary for the delivery of power hereunder but all such interruptions shall be of minimum duration and when possible arranged for at a time least objectionable to the Customer; the Customer shall be allowed an adjustment in payment for power as hereinafter provided, but the Customer shall not otherwise be released from any obligation under this agreement;

For interruptions under this subclause or under the preceding subclause dealing with causes reasonably beyond the Commission's control, the adjustment in payment for power to be allowed to the Customer shall be determined as follows:—(a) for total interruptions the amount used as basis shall be the amount of the horsepower demand for that month on which the Customer would otherwise be required to pay; (b) for partial interruptions the amount used as basis shall be the amount of the said horsepower demand less the average amount in horsepower of power taken by the Customer during the interruption; in every case the amount of horsepower to be used for adjustment shall be the amount used as basis averaged over the whole month in the ratio of the length of time of the interruption to the total time in the month; provided that no adjustment shall be allowed in respect of any interruption lasting less than three minutes when the aggregate time of all interruptions in any month does not exceed a total of twenty (20) minutes or in respect of interruptions occurring within a period in which the Customer is not using power for operation;

8. (d) If the Customer at any time fails in the performance of any of its obligations affecting electrical operation under this agreement including, without limiting the generality of the foregoing, taking power in excess of the maximum under this agreement or of the limit of amount of Operation Power then in force, or failing to operate as required in this agreement, then the Commission may give notice thereof to the Customer, which notice may be given by telephone to an



employee of the Customer by a representative of the Commission and the Customer shall immediately remedy the said failure; in case of continued failure for more than fifteen (15) minutes after notice, then the Commission may discontinue delivery to the Customer of all power or of any part thereof and shall not be obliged to resume delivery to the Customer until the Customer shall have given to the Commission sufficient assurance that such failure will not recur; in such case the Customer shall not be entitled to any allowance for power not delivered nor be relieved of any obligation under this agreement; the Customer shall forthwith designate in writing to the Commission to what employee the said notice under this subclause 8 (d) is to be given, and in default of such designation or in the event of the said employee not being immediately available to receive such notice the said notice may be given by telephone or otherwise to any other employee of the Customer:

9. The Customer hereby grants to the Commission the right and wayleave or easement to use at all times free of cost or rent so much of the Customer's lands as may be necessary or expedient to the Commission for the supply of power to the Customer, and for the measurement thereof and / or other purposes of this agreement, all during the period this agreement remains in force and thereafter until ninety (90) days' written notice from the Customer to remove the Commission's works shall have been given and shall have expired; if at any time or times the Commission shall be required by the Customer to change the location of any of the said works or equipment, the Customer shall provide another suitable location therefor and the Customer shall pay the cost of such change of location.

10. One or more representatives or engineers of the Commission appointed for this purpose may at any reasonable time during the continuance of this agreement, have access to the premises of the Customer for the purpose of inspecting the electrical works and property of the Customer and of taking records therefrom as required and may do any of these things:

11. The Customer shall assume all risk of and liability for and be responsible for (a) any and all injury, damage and loss to property of the Commission on the premises of the Customer to the extent that the same is due to the neglect or default of the Customer, its servants or agents, and (b) any and all injury, damage and loss to property of the Customer or to any other property on the said premises or to any person or persons (including loss of life) on the said premises, other than employees of the Commission, which shall have been due to power under this agreement or due to the said Commission property, save to the extent that same shall have been due to the negligence or default of the Commission, its servants or agents; the Customer shall indemnify the Commission and save it harmless from all such injury, damage or loss and all actions, suits, claims, costs, charges and expenses in connection therewith:

12. The Commission shall be entitled at any time prior to the expiration of ninety (90) days' notice in writing from the Customer delivered after the termination of this agreement and the last extension thereof to remove from the premises of the Customer, any and all apparatus, equipment and works which may have been installed by the Commission under or in connection with this agreement:

13. If after termination of this agreement power be taken by the Customer from the Commission without a new agreement, such power shall be delivered, taken and paid for in accordance with the provisions set out in this agreement but only on the following conditions; such delivery shall not be deemed to renew or extend this agreement or to give the Customer any claim or right to power or to place any obligation or liability on the Commission and the Commission may discontinue delivery of such power at any time without notice, and the Commission shall be under no obligation or liability to the Customer:

14. Any waiver by the Commission or the Customer or either of them or failure by either of them to exercise their respective rights or enforce their respective remedies shall be limited to the particular instance and shall not operate or be deemed to waive any other right or remedy or extend to any other matter under this agreement or in any other way affect the validity of this agreement; the exercise by the Commission or the Customer of any remedy provided in this agreement shall not prevent or estop the Commission or the Customer respectively from pursuing any other remedy it may have and all the respective rights and remedies of the Commission and the Customer may be exercised and continued concurrently or separately:

15. This agreement shall extend to, be binding upon and enure to the benefit of the Commission and the Customer and their successors and assigns respectively:

16. In case of any dispute arising between the parties hereto relative to the fulfilment of any of the terms, provisions or conditions of this agreement, or as to the method or accuracy of the measurement of power or any other question which may arise under this agreement, the same shall be immediately referred to arbitration under *The Arbitration Act* of the Province of Ontario, and shall be determined in accordance with the laws of the Province of Ontario, and the findings of the arbitrator or arbitrators so appointed shall be final and binding upon both parties hereto, except that either party may appeal from, move to set aside, vary or refer back an award of the arbitrators and may proceed therein to the Supreme Court of Canada and the Privy Council, or either of them:

17. If the Customer fails at any time in the performance of any obligation under this agreement the Commission without terminating the agreement may without notice and without liability therefor discontinue delivery of power to the Customer, but no such discontinuance

shall relieve the Customer from any obligation under this agreement or lessen or change any of the Customer's obligations; the Commission shall not be obliged to resume delivery of power to the Customer until the Customer shall have given to the Commission sufficient assurance that such failure will not recur; and if the Customer continues in default in the performance of such obligation under this agreement the Commission may at its option mail postage prepaid to the Customer at the last known address of its head office a notice that unless the said obligation is completely fulfilled within five (5) days after the mailing of the said notice the contract will be deemed terminated; if after mailing of the said notice the Customer continues in default in respect of the said obligation beyond the said period specified in the said notice for fulfilment of its obligation this agreement shall thereupon terminate:

18. This agreement shall not become binding upon the parties unless and until an Act of the Legislature of the Province of Ontario shall be passed at the present session of the Legislature confirming and validating this agreement and certain other agreements of even date, short particulars of which are as follows:

- (a) contract between The Hydro-Electric Power Commission of Ontario and The Ontario-Minnesota Pulp and Paper Company Limited and The Seine River Improvement Company Limited dated the 10th day of April, 1942, relating to the supply of power to The Ontario-Minnesota Pulp and Paper Company Limited and other matters as therein provided;
- (b) contract between The Steep Rock Iron Mines Limited and The Ontario-Minnesota Pulp and Paper Company Limited and The Seine River Improvement Company, Limited, dated the 10th day of April, 1942, relating to certain obligations undertaken by Steep Rock Iron Mines, Limited, and other matters as therein provided;
- (c) contract between The Hydro-Electric Power Commission of Ontario and Steep Rock Iron Mines Limited dated the 10th day of April, 1942, relating to the construction of a power transmission line, the furnishing of security by Steep Rock Iron Mines Limited to The Hydro-Electric Power Commission of Ontario and other matters as therein provided;

and given Royal Assent, whereupon this agreement shall become binding and shall have effect in accordance with its terms.

Provided that when this agreement has become binding in accordance with the foregoing it shall continue in force for the mining life of the mining properties to which power shall at any time have been supplied under this agreement; provided, however, that the Commission may terminate it at the end of the period of ten (10) years from the commencement date or at any subsequent date by six months or more previous notice in writing:

19. The Customer shall furnish to and deposit with the Commission security satisfactory to the Commission for the complete performance of this agreement by the Customer and shall at all times maintain the same in full force and effect so long as this agreement continues in force; such security may be in the form of a surety bond executed by the Customer and by a surety company satisfactory to the Commission or in the form of cash deposit or bonds satisfactory to the Commission; in the case of bonds as last mentioned, the Customer when not in default hereunder shall be entitled to the interest and interest coupons on the said bonds; if at any time the security deposited with the Commission shall become unsatisfactory to the Commission, the Customer upon request by the Commission shall promptly deposit security that is satisfactory to the Commission; the Customer, when not in default under this agreement, shall have the right at any time to change the security deposited with the Commission by substitution of surety bond, cash or bonds satisfactory to the Commission as aforesaid; upon any failure by the Customer to provide or maintain security as aforesaid the Commission shall not be obliged to reserve for or deliver any power to the Customer or having commenced shall not be obliged to continue; the amount of the security shall in the first instance be Twenty-five Thousand Dollars (\$25,000.00), but shall be varied from time to time in accordance with the Customer's obligation to pay for power hereunder; Security under this clause shall be for the purposes of this clause only and shall not relate in any manner to security given by the Customer to the Commission under any other agreement between the Commission and the Customer:

IN WITNESS WHEREOF the Commission and the Customer have caused this agreement to be executed, attested by the affixing of their corporate seals and by the signatures of their proper officers duly authorized thereto.

THE HYDRO-ELECTRIC POWER COMMISSION  
OF ONTARIO

T. H. HOGG,

*Chairman.*

(Seal)

OSBORNE MITCHELL,

*Secretary.*

STEEP ROCK IRON MINES LIMITED

D. M. HOGARTH,

*President.*

G. G. BLACKSTOCK,

*Secretary-Treasurer.*

(Seal)



## SCHEDULE C

## to An Act respecting The Hydro-Electric Power Commission of Ontario, Steep Rock Iron Mines Limited and The Ontario-Minnesota Pulp and Paper Company Limited.

THIS AGREEMENT made in duplicate the 10th day of April, A.D. 1942, to be known as the Supplementary Agreement:

BETWEEN:

STEEP ROCK IRON MINES, LIMITED, hereinafter called the "Company"

OF THE FIRST PART,

—and—

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,  
hereinafter called the "Commission"

OF THE SECOND PART.

WHEREAS by an Indenture of even date the parties hereto agreed for a supply of electric power and energy by the Commission to the Company at the Company's plant at its mining properties in the vicinity of Steep Rock Lake in the District of Rainy River, hereinafter called "The Steep Rock Power Agreement";

AND WHEREAS for the purpose of developing and operating its mining properties the Company proposes to dewater Steep Rock Lake and divert and interfere with the natural flow in the Seine River watershed, the said diversion and interference being hereinafter referred to as the "Seine Diversion";

AND WHEREAS the said Seine Diversion will render it impracticable for the Seine River Improvement Company Limited, a wholly owned subsidiary of The Ontario-Minnesota Pulp and Paper Company, Limited, to operate a power development and power plant which the Seine River Improvement Company, Limited, has constructed at the head of Steep Rock Lake in the said District of Rainy River which is hereinafter referred to as the Moose Lake plant, and the Commission has at the request of the Company, by an agreement of even date, hereinafter called the "Replacement Power Agreement", agreed to supply power to the said Ontario-Minnesota Pulp and Paper Company, Limited, to replace the power which the Seine River Improvement Company, Limited, has been developing and would otherwise develop at its said Moose Lake plant for the purposes of The Ontario-Minnesota Pulp and Paper Company, Limited, the amount of such power being ten thousand five hundred horsepower (10,500 h.p.) subject to variation as appears in the said Replacement Power Agreement; and also in another eventuality to supply additional power called Supplementary Power, as therein set forth;

AND WHEREAS in the event that the Company should make default in its obligations hereunder, the Commission might still be obliged to furnish power to The Ontario-Minnesota Pulp and Paper Company, Limited, under the said Replacement Power Agreement; and whereas it has been agreed by the Company and The Ontario-Minnesota Pulp and Paper Company, Limited, and the Seine River Improvement Company, Limited, that the said plant should be maintained in such manner that it may be restored to operation again should the natural waterflow in the Seine River through Steep Rock Lake be restored, and it has been agreed by The Ontario-Minnesota Pulp and Paper Company, Limited, with the Commission that upon restoration of the said natural waterflow the Commission shall be relieved from its obligation to supply power to The Ontario-Minnesota Pulp and Paper Company, Limited, at its said plant, and it is therefore expedient that the Commission should be enabled of its own accord to restore the said natural waterflow in the event of the Company making default in its obligations to the Commission under the said power agreement or hereunder;

AND WHEREAS in order that the Commission may make delivery of power to the said Company under the Steep Rock Power Agreement and make delivery of power to Ontario-Minnesota Pulp and Paper Company, Limited, under the said Replacement Power Agreement it is necessary that a transmission line be constructed from the Commission's Port Arthur Transformer Station, at or near the City of Port Arthur in the Province of Ontario, to the said Moose Lake plant, and certain terminal facilities at the said Port Arthur Transformer Station and Moose Lake plant be installed, and it has been agreed that the said line and terminal facilities should be constructed and operated as hereinafter set forth;

AND WHEREAS it is hereinafter agreed that ownership of the said transmission line after construction thereof shall be vested in the Company; and whereas it is expedient that in order to fulfil its obligations in respect of the delivery of power under the said Replacement Power Agreement the Commission should be able to use the said transmission line;

AND WHEREAS the Company has agreed to pay to the Commission from time to time and at all times during the continuance of these presents all power bills properly rendered to it by the Commission for replacement power under the said Replacement Power Agreement at the rate of nineteen dollars (\$19.00) per horsepower per annum;

NOW THEREFORE THIS INDENTURE WITNESSETH that in consideration of the premises and the agreement by the Commission to supply replacement power to The Ontario-Minnesota Pulp and Paper Company, Limited, which the Company would otherwise be obliged to supply, or make arrangements in respect thereof and for the other considerations herein contained, the Parties hereto covenant, promise and agree each with the other as follows:—



**1. THE COMPANY AGREES:**

That it will from time to time and at all times during the continuance of these presents whenever bills are properly rendered to it by the Commission, and within twenty (20) days from the date of receipt thereof pay to the Commission for all replacement power supplied to The Ontario-Minnesota Pulp and Paper Company, Limited, under the Replacement Power Agreement at the rate of nineteen dollars (\$19.00) per horsepower per annum, the amount of such power being calculated according to the provisions of the said Replacement Power Agreement and also all monies and cost which the Commission shall have been required to pay or incur under clauses 25, 27 and 30 of the said Replacement Power Agreement:

**2. THE COMPANY AGREES:**

That if at any time it makes default in respect of its agreements, covenants, premises or obligations contained in the Steep Rock Power Agreement made by it with the Commission or contained in these presents, and such default continues for a period of one month after the Commission shall have given notice to the Company requiring that such default be remedied on or before a date specified in the said notice the Commission may and the Company hereby grants to the Commission the right to restore the normal waterflow in the said Seine River through Steep Rock Lake and to enter upon the Company's lands and premises for that purpose and remove and/or destroy such of the Company's works and properties as may be necessary for that purpose and/or to construct such works and perform such operations upon the Company's lands and premises as are necessary for that purpose, and the Company agrees that it will make no claim or demand against the Commission in respect of anything relating to or arising therefrom, and will indemnify and save harmless the Commission from all claims and demands of other persons arising therefrom;

The Company will obtain such title to such lands as is necessary to enable the Commission to effect the restoration of the said normal waterflow and will continue to hold such title during the full term of this agreement:

3. It is agreed that the Commission shall construct for the Company a suitable transmission line and provide a right of way therefor from the Commission's said Port Arthur Transformer Station to the said Moose Lake plant in order to facilitate the transmission of power from its said transformer station to the Company's mining properties at Steep Rock and the delivery of power under the said Replacement Power Agreement; and the Company will pay to the Commission the total cost and expense thereof and permit the Commission to use it free of charge for delivery of replacement power under the said Replacement Power Agreement; During the term of this agreement the Company will also permit the Commission at all times to use the said line for supplying power to customers other than the Company and for the supply of power other than replacement power to The Ontario-Minnesota Pulp and Paper Company, Limited, in consideration of payment to it by the Commission of the following rentals, viz.:

- (a) For the first one thousand horsepower (1,000 h.p.) of power supplied to The Ontario-Minnesota Pulp and Paper Company, Limited, in addition to the replacement power required to be supplied under the Replacement Power Agreement there shall be no rental;
- (b) For all further power supplied to The Ontario-Minnesota Pulp and Paper Company, Limited, in excess of the said one thousand horsepower (1,000 h.p.), not being replacement power, and for all power supplied to customers of the Commission other than The Ontario-Minnesota Pulp and Paper Company, Limited, in the vicinity of Steep Rock Iron Mine at an annual rental calculated at the rate of four dollars and forty cents (\$4.40) per horsepower;

The ownership of the said transmission line and right-of-way shall vest in the Company:

4. It is agreed that the Commission will purchase and install all terminal equipment such as relays, switching, lightning protection and synchronous condensers necessary or convenient to enable power to be delivered to the Company and under the Replacement Power Agreement to The Ontario-Minnesota Pulp and Paper Company, Limited, and to enable the power plants of the Seine River Improvement Company, Limited, at Fort Frances, Calm Lake and Sturgeon Falls to be operated in parallel with the Commission's system and equipment to enable The Ontario-Minnesota Pulp and Paper Company, Limited, to receive and control power under the Replacement Power Agreement without interfering with the power operations of The Seine River Improvement Company, Limited, and/or the Company, and the Company will pay to the Commission the total cost and expense thereof:

Ownership of the said equipment referred to in the immediately preceding paragraph shall be vested in the Company:

It is agreed that if necessary to use the electric generators at present installed in the said Moose Lake plant as synchronous condensers, the Company will pay the total cost, expense and rentals involved therein.

5. The said transmission line and equipment shall be operated and maintained by the Commission or by the Commission's nominee, and the Company shall reimburse the Commission for the full cost of operation, maintenance and administration expenses incurred in respect thereof. Without limiting the generality of the foregoing the Company shall bear the expense of public liability and property damage and casualty insurance, also any additional insurance which the Company may instruct the Commission to place, or the Commission in its discretion shall procure, in respect of the maintenance and operation of the said line and terminal equipment, and Workmen's Compensation assessments and rates; the payment of the said cost shall be made monthly by the Company within twenty (20) days after receipt from the Commission of the bill therefor:

## 6. THE COMPANY AGREES:

That so long as the operations of the Moose Lake plant are suspended it will not permit or suffer any buildings or erections to be constructed or maintained within the basin of Steep Rock Lake except such buildings or erections as may be necessary for its own operations, and in particular will not permit the erection of any quarters or dwellings for staff or others, and that upon default by the Company under the said Steep Rock Power Agreement or hereunder the Company will within such time as shall be prescribed by the Commission remove or cause to be removed from the basin of Steep Rock Lake all buildings, machinery, equipment, plant and chattel property, and in default of such removal the Steep Rock Company shall assume all damage sustained by any such property so remaining upon the premises and shall also remove or cause to be removed any obstruction or works which may have been placed in Steep Rock Lake or at its outlet in connection with the dewatering of the said lake or with operations of the Company therein which would affect the restoration of the normal waterflow of the Seine River waters through the said lake and at the same time shall remove such protective works as may have been placed in Moose Lake or in the water passages leading to the Moose Lake plant if such removal shall be requested by the Commission:

7. The Company shall furnish to and deposit with the Commission security satisfactory to the Commission for the complete performance of this agreement by the Company and shall at all times maintain the same in full force and effect so long as this agreement continues in force; such security shall be in the form of a cash deposit or bonds of the Dominion of Canada or Province of Ontario. The Company when not in default shall be entitled to such Bank interest on cash deposited as security as the Commission procures for the same when on deposit and such interest on the Dominion of Canada bonds and/or on the Province of Ontario bonds as shall be paid thereon by the Dominion of Canada or the Province of Ontario respectively. The amount of such security shall be Six Hundred Thousand Dollars (\$600,000.00).

## 8. THE COMPANY AGREES:

Without limiting the power or right of the Commission to resort to the security specified in clause 7 for complete performance of this agreement by the Commission, the Commission may have recourse to the said security to indemnify itself against and reimburse itself for any and all law costs to which it may be rendered liable by reason of any matter or thing arising from these presents, the said power agreement with the Company, any agreement relating to Replacement Power, and also in respect of all cost and expense which it may incur in respect of restoring the normal waterflow in the said Seine River through Steep Rock Lake:

9. This agreement shall not become binding upon the parties unless and until an Act of the Legislature of the Province of Ontario shall be passed at the present session of the Legislature confirming and validating this agreement and certain other agreements of even date, short particulars of which are as follows:

- (a) contract between The Hydro-Electric Power Commission of Ontario and The Ontario-Minnesota Pulp and Paper Company, Limited, and The Seine River Improvement Company, Limited, dated the 10th day of April, 1942, relating to the supply of power to The Ontario-Minnesota Pulp and Paper Company, Limited, and other matters as therein provided;
- (b) contract between The Hydro-Electric Power Commission of Ontario and Steep Rock Iron Mines, Limited, dated the 10th day of April, 1942, relating to the supply of power to Steep Rock Iron Mines, Limited, and other matters as therein provided;
- (c) contract between Steep Rock Iron Mines, Limited, and The Ontario-Minnesota Pulp and Paper Company, Limited, and The Seine River Improvement Company, Limited, dated the 10th day of April, 1942, relating to certain obligations undertaken by Steep Rock Iron Mines, Limited, and other matters as therein provided;

and given Royal Assent, whereupon this agreement shall become binding and shall have effect in accordance with its terms.

Provided that when this agreement has become binding in accordance with the foregoing it shall continue in force until the termination of the said Steep Rock Power Agreement between the Company and the Commission and the Replacement Power Agreement, or whichever of the said two agreements continues in force for the longer period:

IN WITNESS WHEREOF the Company and the Commission have caused this agreement to be executed, attested by the affixing of their corporate seals and by the signatures of their proper officers duly authorized thereto.

STEEP ROCK IRON MINES, LIMITED

D. M. HOGARTH,  
*President.*

G. G. BLACKSTOCK,  
*Secretary-Treasurer.*

THE HYDRO-ELECTRIC POWER COMMISSION  
OF ONTARIO

T. H. HOGG,  
*Chairman.*

OSBORNE MITCHELL,  
*Secretary.*

(Seal)

(Seal)



## SCHEDULE D

to An Act respecting The Hydro-Electric Power Commission of Ontario, Steep Rock Iron Mines Limited and The Ontario-Minnesota Pulp and Paper Company Limited.

THIS AGREEMENT made in duplicate the 10th day of April, 1942.

BETWEEN:

THE ONTARIO-MINNESOTA PULP AND PAPER COMPANY LIMITED  
(hereinafter called "the Ontario-Minnesota Company")

OF THE FIRST PART,

STEEP ROCK IRON MINES LIMITED  
(hereinafter called "the Steep Rock Company")

OF THE SECOND PART,

—and—

THE SEINE RIVER IMPROVEMENT COMPANY LIMITED  
(hereinafter called "the Seine River Company")

OF THE THIRD PART.

WHEREAS the Ontario-Minnesota Company has entered into or is about to enter into a contract of even date herewith between The Hydro-Electric Power Commission of Ontario and the Ontario-Minnesota Company to which the Seine River Company is also a party (hereinafter referred to as "the Hydro—O-M power contract") providing among other things for the supply to the Ontario-Minnesota Company by The Hydro-Electric Power Commission of Ontario (hereinafter called "the Commission") free of charge of replacement power as in said agreement defined and provided;

AND WHEREAS there are certain other matters referred to or arising out of the said agreement which the parties hereto have agreed should be the subject matter of this present agreement;

NOW THEREFORE THIS AGREEMENT WITNESSETH that in consideration of the premises and other good and valuable consideration the receipt of which is hereby acknowledged, it is hereby agreed by and between the parties hereto as follows:

1. The Steep Rock Company in the exercise of such rights as may be conferred upon it by the Minister of Lands and Forests or which it may otherwise obtain to construct the Seine Diversion as defined in the Hydro—O-M power contract will so control or cause to be controlled the construction of the Seine Diversion that the operation of the Moose Lake plant and the flow of water through the Moose Lake plant will not be interfered with, except subject to the conditions and as contemplated in the Hydro—O-M power contract and in particular will at all times cause such construction of the Seine Diversion to be carried on subject to the orders of and the control of the Commission to the extent if any that the Commission may wish to direct.

2. The Steep Rock Company will not permit the gates of the Seine Diversion to be opened or otherwise permit water to pass through the Seine Diversion prior to the completion thereof unless and until it shall have been authorized and directed so to do by the Commission, and agrees upon the completion of the Seine Diversion to turn over the control and operation of the Seine Diversion to the Ontario-Minnesota Company as and when directed by the Commission.

3. The Steep Rock Company agrees that so long as the operation of the Moose Lake plant shall be suspended under the terms of the Hydro—O-M power contract, the Ontario-Minnesota Company or any corporation or person succeeding to the ownership of the Seine River properties shall have the continued right to operate and control the gates of the Seine Diversion, and thereafter until the balanced flow of the Seine River through Steep Rock Lake is restored shall together with the Commission have joint control of said gates; such operation and control to be at the sole expense of the Ontario-Minnesota Company or of its successor or transferee, but with the obligation on the part of the Steep Rock Company as may be required by the Commission at its own expense to maintain or cause to be maintained the said gates and control works and water passages of the Seine Diversion during the period within which the operation of the Moose Lake plant shall be suspended, and that at the expiration of the aforesaid period of joint control the Seine Diversion may be permanently closed against the discharge through the said Seine Diversion of the waters of Moose Lake.

4. On the entering into of the Hydro—O-M power contract the Ontario-Minnesota Company has claimed that the replacement power to be furnished to the Ontario-Minnesota Company thereunder will not adequately compensate the Ontario-Minnesota Company for certain disadvantages in contemplation or apprehended or not now in contemplation but which may arise as a result of the disturbance in the operation of the Seine River properties and the arrangement entered into in connection therewith as set out in the Hydro—O-M contract, the nature and effect of which disadvantages it is not now possible fully to determine. The Steep Rock Company agrees that it will, on the request of the Ontario-Minnesota Company on the expiration of five years from the date hereof, appoint a representative to act with a represen-



tative to be appointed by the Ontario-Minnesota Company to determine what additional provision, if any, should be made by the Steep Rock Company to compensate the Ontario-Minnesota Company for such disadvantages as aforesaid and the anticipated continuance thereof during the life of the Hydro—O-M power contract. If such representatives shall agree upon the amount of such provision, if any, or that under the circumstances no such provision need be made, such agreement shall be final and binding on the parties. If such representatives fail to reach such agreement within sixty days of the making of the request aforesaid or if at the request of the other either party shall have failed to appoint a representative, either party may request an appointee of the Commission to join with the representative or representatives so appointed in such determination and the decision of the persons so appointed or a majority thereof shall be final and conclusive and binding on the parties. Any provision agreed upon or determined upon as aforesaid shall be expressed as a sum of money and the Ontario-Minnesota Company shall have the option of requiring such sum to be paid to it in cash or at its election to be satisfied by the delivery by the Commission to the Ontario-Minnesota Company of additional replacement power without charge to the Ontario-Minnesota Company. Such additional replacement power shall, however, for the purposes of satisfying such provision be calculated as having a value of \$19 per horsepower per annum and may be taken by the Ontario-Minnesota Company at such times and in such quantities as may be agreed between the Ontario-Minnesota Company and the Commission. Such agreement or determination as aforesaid shall finally dispose of all claims of the Ontario-Minnesota Company for additional provision in respect of the matters aforesaid.

5. The Ontario-Minnesota Company hereby agrees that the complete performance by the Commission of its obligations under the Hydro—O-M power contract and the observance by the Steep Rock Company of its agreements and obligations hereunder will be accepted by the Ontario-Minnesota Company in full satisfaction of all claims which it might assert by reason of the disturbance of and damage to the operation of the Seine River properties in accordance herewith and in accordance with the provisions of the Hydro—O-M power contract including the loss of power to the Ontario-Minnesota Company.

6. The Ontario-Minnesota Company agrees that it will within three months after the close of each fiscal year commencing with the year in which the operation of the Moose Lake plant shall be suspended and continuing so long as the operations of the Moose Lake plant shall be suspended present to the Steep Rock Company a statement in reasonable detail showing the amount of the savings resulting from the discontinuance of the operation or from the restricted operation of the Moose Lake plant over the expense which would have accrued had the full operation thereof been continued during the whole of such year. Such savings shall include such reasonable expense for normal maintenance of the existing Moose Lake dam and works appurtenant thereto as may be incurred by the Steep Rock Company, but any credit given to or withheld from the Steep Rock Company in respect of such item shall not affect or diminish its obligations and liability under paragraph 7. The Steep Rock Company shall be entitled to examine the books and records of the Ontario-Minnesota Company to establish the correctness or otherwise of such statement, and, if the correctness of such statement is disputed by the Steep Rock Company, the Steep Rock Company shall be entitled within thirty days after the receipt of such statement by it to have the said statement and supporting data reviewed by a representative of the Commission, whose decision shall be final. The amount of the savings shown by such statement or the amount determined by such representative of the Commission, as the case may be, shall be paid by the Ontario-Minnesota Company to the Steep Rock Company within fifteen days from the date when the correctness of the statement is acknowledged or the amount is determined by the representative of the Commission, as the case may be.

7. The Steep Rock Company hereby assumes to the exoneration of the Ontario-Minnesota Company and the Seine River Company and any corporation or person succeeding to its ownership of the Seine River properties all liability for claims or suits of every character, by whomsoever asserted, arising or growing out of or based upon any escape of water from Moose Lake during the time in which the operation of the Moose Lake plant shall be suspended as provided in the Hydro—O-M power contract. The Steep Rock Company at its own expense will at all times cause Moose Lake dam and works appurtenant thereto and the substructure thereof and underlying rock and earth to be reinforced or otherwise protected and augmented to such extent as may be necessary to insure that there will be no substantial escape of water from Moose Lake into the area now occupied by Steep Rock Lake and will so long as the operation of the Moose Lake plant is suspended, maintain such protective works and shall be entitled at all reasonable times to enter upon the premises of the Ontario-Minnesota Company and of the Seine River Company for such purpose. The Steep Rock Company shall also be entitled from time to time at its own expense to erect and maintain other protective works designed to prevent or insure against the escape of water from Moose Lake into the area now occupied by Steep Rock Lake provided the same are consistent with the maintenance of such conditions as may be required in furtherance of the Hydro—O-M power contract. The Steep Rock Company further agrees that it will at its own expense hold harmless, defend and protect the Ontario-Minnesota Company and the Seine River Company and any corporation or person succeeding to its ownership of the Seine River properties against any and all claims or suits of every character by whomsoever asserted based upon escape of water as aforesaid.

8. The Steep Rock Company agrees that so long as the operations of the Moose Lake plant are suspended it will not permit or suffer any buildings or erections to be constructed or maintained within the basin of Steep Rock Lake, except such buildings or erections as may be necessary for its own operations and in particular will not permit the erection of any quarters or dwellings for staff or others and that in accordance with the provisions of the Hydro—O-M power contract the Steep Rock Company will within such time as shall be prescribed by the Commission remove or shall cause to be removed from the basin of Steep Rock Lake all buildings, machinery, equipment, plant and chattel property and in default of such removal the Steep Rock Company shall assume all damage sustained by any such property so remaining upon the premises and shall also remove or cause to be removed any obstruction or works which may have been placed in Steep Rock Lake or at its outlet in connection with the dewatering of the said Lake or with operations of the Steep Rock Company therein which would affect the restoration of the normal flow of Seine River waters through the said Lake and at the same time shall remove such protective works as may have been placed in Moose Lake or in the water passages leading to the Moose Lake plant if such removal shall be requested by the Commission or by the Ontario-Minnesota Company.

9. The Steep Rock Company agrees that it will at the expense of the Ontario-Minnesota Company from time to time support and/or concur in any application made by the Ontario-Minnesota Company and/or the Seine River Company while the Hydro—O-M power contract is in force for the renewal of any rights or privileges affecting the Seine River properties including in particular any renewal or renewals of water power lease No. 28.

10. This agreement shall not become binding upon the parties unless and until an Act of the Legislature of the Province of Ontario shall be passed at the present session of the Legislature confirming and validating this agreement and certain other agreements of even date, short particulars of which are as follows:

- (a) contract between The Hydro-Electric Power Commission of Ontario and The Ontario-Minnesota Pulp and Paper Company Limited and The Seine River Improvement Company Limited dated the 10th day of April, 1942, relating to the supply of power to The Ontario-Minnesota Pulp and Paper Company Limited and other matters as therein provided;
- (b) contract between The Hydro-Electric Power Commission of Ontario and Steep Rock Iron Mines Limited dated the 10th day of April, 1942, relating to the supply of power to Steep Rock Iron Mines Limited and other matters as therein provided;
- (c) contract between The Hydro-Electric Power Commission of Ontario and Steep Rock Iron Mines Limited dated the 10th day of April, 1942, relating to the construction of a power transmission line, the furnishing of security by Steep Rock Iron Mines Limited to The Hydro-Electric Power Commission of Ontario and other matters as therein provided;

and given Royal Assent whereupon this agreement shall become binding and shall have effect in accordance with its terms.

The benefit and obligation of this agreement shall enure to and be binding upon the successors and assigns of the parties.

IN WITNESS WHEREOF this agreement has been executed by the parties hereto under their respective corporate seals.

THE ONTARIO-MINNESOTA PULP AND PAPER  
COMPANY LIMITED

by R. H. M. ROBINSON,  
*President.*

R. D. MAIN,  
*Secretary C.S.*

STEEP ROCK MINES LIMITED

by D. M. HOGARTH,  
*President.*

G. G. BLACKSTOCK,  
*Secretary C.S.*

THE SEINE RIVER IMPROVEMENT  
COMPANY LIMITED

by R. H. M. ROBINSON,  
*President.*

R. D. MAIN,  
*Secretary C.S.*



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\*The Statements "A", "B", "C", "D" and "E", appertaining to the local municipal electric utilities—and given in Section X of the Report—are detailed individually for Acton, but in the case of other municipalities are grouped under the sub-heading of "Municipal Accounts" with reference to Statements "A" and "B" and under the sub-heading "Statements" with reference to Statements "D" and "E". Statement "C" suspended.



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PORTION OF  
NORTHWESTERN  
ONTARIO  
FOR TRANSMISSION LINES MAP OF  
ONTARIO, CANADA, PROTECT 10  
Scale: 200 miles to 1 inch

THE HYDRO-ELECTRIC COMMISSION  
OF ONTARIO

MAP OF PORTION OF THE  
PROVINCE OF ONTARIO  
SHOWING  
TRANSMISSION LINES AND STATIONS

Scale: miles or 5-10 miles - 1 inch

- LEGEND
- High-Voltage Lines
  - Low-Voltage Lines
  - Distribution Lines
  - Interconnected Lines not shown I.H.P.
  - Existing Hydro-Electric Generating Stations
  - Proposed Hydro-Electric Generating Stations
  - Other Plants Supplying Power to H.E.C.
  - High-Voltage Stations
  - Frequency Changer Stations
  - Monopoles
  - Distributing Stations
  - Existing Regulating Dams
  - Proposed Regulating Dams





MAP OF PORTION OF THE  
PROVINCE OF ONTARIO  
SHOWING  
TRANSMISSION LINES AND STATIONS  
IN DISTRICTS OF THE  
NORTHERN ONTARIO PROPERTIES  
AND IN THE  
THUNDER BAY SYSTEM

Scale: 25 Miles — 1 Inch

- LEGEND
- High-voltage lines
  - Low-voltage lines
  - Existing Hydro-Electric generating stations
  - Proposed Hydro-Electric generating stations
  - Other plants supplying power to H.E.C.
  - High-voltage substations
  - Frequency Changer Stations
  - Existing Dams
  - Proposed Dams
  - Interconnected lines not owned by H.E.C.
  - Lines not interconnected with H.E.C.

Includes West from Grenville

PORTION OF  
NORTHWESTERN  
ONTARIO

FOR TRANSMISSION LINES SEE MAP OF  
NORTHWESTERN ONTARIO  
Scale: 100 miles = 1 inch



THE HYDRO-ELECTRIC POWER COMMISSION  
OF ONTARIO

MAP OF PORTION OF THE  
PROVINCE OF ONTARIO  
SHOWING  
TRANSMISSION LINES AND STATIONS

Scale: 100 miles or 157.8 miles = 1 inch

- LEGEND
- High-Voltage Lines
  - Low-Voltage Lines
  - Distribution Lines
  - Interconnecting Lines not Owned by H.E.P.C.
  - Existing Hydro-Electric Generating Stations
  - Proposed Hydro-Electric Generating Stations
  - Over-Plant Supplying Power to H.E.P.C.
  - High-Voltage Stations
  - Frequency Converter Stations
  - Municipalities
  - Interlocking Stations
  - Existing Regulating Dams
  - Proposed Regulating Dams





THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

MAP OF PORTION OF THE  
PROVINCE OF ONTARIO  
SHOWING  
TRANSMISSION LINES AND STATIONS  
IN DISTRICTS OF THE  
NORTHERN ONTARIO PROPERTIES  
AND IN THE  
THUNDER BAY SYSTEM

Scale: 25 Miles — 1 inch.

LEGEND

- High-voltage Lines
- Low-voltage Lines
- Distribution Lines
- Existing Hydro-Electric Generating Stations
- Proposed Hydro-Electric Generating Stations
- Other Plants Supplying Power to H.E.P.C.
- High-voltage Stations
- Frequency Changer Stations
- Distributing Stations
- Existing Regulating Dams
- Proposed Regulating Dams
- International Line not owned by H.E.P.C.
- Line not interconnected with H.E.P.C.

Longitude West from Greenwich

OCTOBER 1914



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